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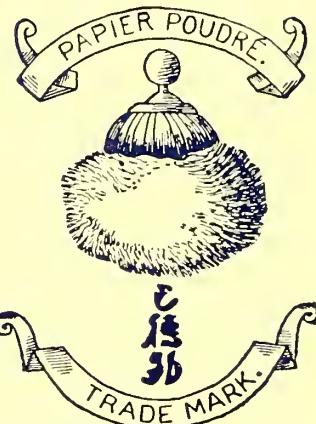


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which yields you a  
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Per 3/- and 5/- Bottles.

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Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

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Three qualities.

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## AYRTON'S Tea Tablets

are 7½d. per tin, and cost 72/- per gross net.

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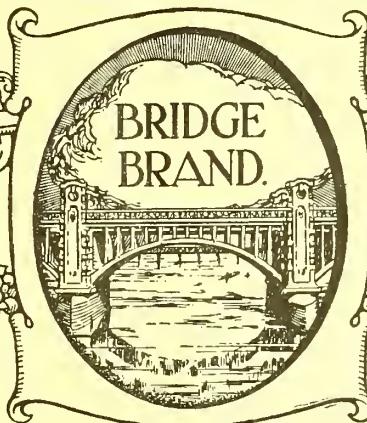
## AYRTON'S Caravan Thirst Quenchers

are 6d. per tin, and cost 54/- per gross net. 1d. and 2d. rolls,  
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**Ayrton, Saunders & Co., Ltd.**  
*Wholesale Druggists*      **LIVERPOOL**



## PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

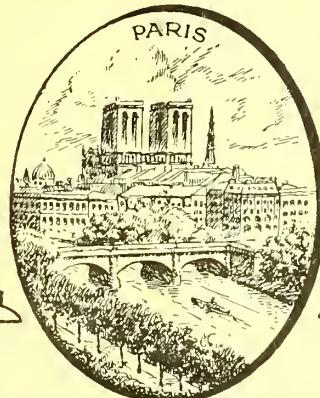
*R. W. GREEFF & Co. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries*

(WHOLESALE QUANTITIES ONLY)

Acetanilid	Gallic Acid	Phenacetin
Amidopyrin	Glycerophosphates	Phenazone
Barbitone	Guaiacol Carbonate	Pyrogallic Acid
Bromide of Ammonium	Heliotropin	Potassium Sulpho-
Bromide of Potassium	Hexamine	Guaiacolate
Bromide of Sodium	Homatropine	Quinine and Salts
Chloral Hydrate	Hydroquinone	Quinine Ethyl Carbonate
Cinchonine Sulphate and Muriate	Isarol (best Ichthyl substitute)	Salicylate of Soda
Cinchonidine Sulphate	Lithia Carbonate	Salol
Citric Acid	Lithol (Ichthyl substitute)	Sugar of Milk
Cocain Hydrochlor and Puriss	Mercurials	Tannic Acid
Cream of Tartar	Methylene Blue Medicinal	Tannin Albuminate
Creosote Carbonate	Methyl Salicylate	Terpineol
Eucalyptus Oil—B.P. 70%	Peppermint Oil	Terpine Hydrate
Formaldehyde	Pepsines, Pancreatin, Pepsone and other digestive Ferments	Theobromine
		Thymol Crystals
		Vanillin

## R. W. Greeff & Co.

THAMES HOUSE,  
QUEEN ST. PLACE,  
LONDON, E. C.



MANCHESTER BRANCH:  
Lloyds Bank Buildings,  
King Street.  
ALSO AT  
NEW YORK:  
R. W. Greeff & Co.,  
80, Maiden Lane.

# "FARRISOL"

-- ENGLISH MADE --

## WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQUIDUM, from Pure Russian Oils.)

PURE ENGLISH REFINED SPERMACETI, Paraffin Wax, Ceresine, Stearic Acid, Pure Olive Oil, Castor Oil, Palm Oil, Peach Kernel Oil, Cod Liver Oil, Slab Oil, "Farrisol" Paraffinum Liquidum B.P., "Farrisol" Snow White Opaque Jelly B.P., Lanoline, White Oils, &c. Oil Refiner to H.M. Government.

GENUINE & COMMERCIAL BEESWAX in  $\frac{1}{2}$  oz., 1 oz., 2 oz., and 4 oz. Rounds.

### WAXES of EVERY KNOWN KIND.

 SAMPLES MATCHED AND LOWEST PRICES SUBMITTED.  WAXES PREPARED FOR SPECIAL PURPOSES.

The only actual Manufacturing Wax Chandler in the City of London.

**CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.**

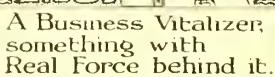
Works : HELMET COURT, BISHOPSGATE, E.C.

Warehouses and Stores : 91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

Telephones : LONDON WALL 9397 and 9298.

Telegrams : "WAXINESS, LED, LONDON."

**DR. EVAN WILLIAMS'**



A Business Vitalizer;  
something with  
Real Force behind it.



Apply for Descriptive Price List  
and Trade Terms.  
289, OXFORD ST LONDON, W.

**HENNA SHAMPOO**

**Old Hats. Old Hats.  
"WHITE AGAIN"**

Makes old straw hats like new.  
A compound that cleans & bleaches.

**NON-POISONOUS.**

3 doz. 2d. packets on cards 4/- net.  
8 cards for 24/- Carriage paid.  
CASH WITH ORDER.

**L. K. Co., 168 Tower Bridge Road, S.E.**

Sole Proprietor : ROBERT BLACKIE.

Telephone 2415. HOP.

**ZEE-KOL**  
THE WONDER SKIN CURE

Zee-Kol is a scientific production of great curative and antiseptic qualities, so well blended together that it forms a skin ointment of great value to sufferers from skin diseases. It has been proved that it cures all the skin diseases that we publish in our numerous advertisements.

**LARGE ADVERTISING CAMPAIGN STARTS AT ONCE.**

**SEE THAT YOU ARE WELL STOCKED.**

Retail Prices, 1/3 and 3/- (P.A.T.A.)  
Net Wholesale Prices, 12/- and 28/6 per dozen.

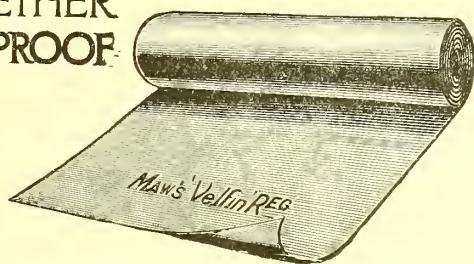
**THE ZEE-KOL MANFC. CO.,**  
104 High Holborn, London, W.C.

Telephone :  
1797 Holborn.

Telegraphic Address,  
"Zeekolma, Westcent, London."

EACH yard of our Standard Rubber Sheetings is guaranteed, and bears our registered trade mark, "Vel-fin," indelibly stamped on the selvedge. "Vel-fin" surfaces are superbly finished, materials are in every case the best, and the whole production entirely British. "Vel-fin" Rubber Sheetings will not discolour, harden or crack, and they can be sterilized in boiling water, or cleansed by using soap and warm water. Samples are ready for you.

**ACID  
ALKALI  
URINE  
BLOOD  
&  
ETHER  
PROOF**



MAWS  
"Vel-fin"  
STANDARD REG.  
RUBBER SHEETINGS

SINGLE FACED DRAB SHEETINGS.

"Vel-fin" No. 1. Medium strength material, medium coated surface	2/3 yard
" 1x. heavy	2/8 "
" 2. Extra strong material, medium coated surface	3/2 "
" 2x. " " heavy	3/7 "

DOUBLE FACED DRAB SHEETINGS.

"Vel-fin" No. 3. Medium strength material, medium coated surface	3/3 yard
" 3x. heavy	4/- "
" 4. Extra strong material, medium coated surface	4/6 "
" 4x. " " heavy	5/6 "

SPECIAL RED SHEETINGS.

"Vel-fin" No. 5. Single faced, medium strength material	3/6 yard
" 6. " extra strong material	4/6 "
" 7. Double faced, medium strength material	5/6 "
" 8. " extra strong material	6/8 "

On original rolls of 25 yards an extra 5% discount.

WRITE FOR FREE SAMPLES OF "VEL-FIN" RUBBER SHEETINGS

\* Please forward samples of

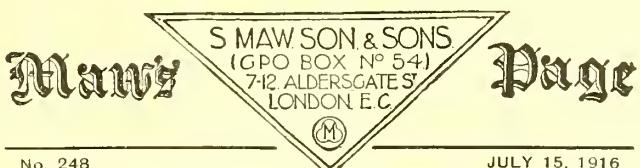
SINGLE FACED DRAB "VEL-FIN" SHEETINGS.  
DOUBLE FACED DRAB "VEL-FIN" SHEETINGS.  
SPECIAL RED "VEL-FIN" SHEETINGS.

Name.....

Address .....

\* Strike out quality not required.

1d. envelope.



No. 248

JULY 15, 1916

The Name

We have heard of a young dispenser hailing from the Midlands who performed a particularly brilliant single-handed feat in a raided enemy trench. He subsequently returned home on leave (which was more than his adversary could ever do), and excused himself from an invitation to a four o'clock "at-home" on the ground that he "didn't care for company." He could face *minenwerfers* but not muffsins.

Here is an example of a far from rare juxtaposition of human nature; a resolute will balanced on a knife-edge of timidity.

There are unbelievable things which strong men perform without thought of danger. And there are things, seemingly of small importance, from which the stoutest hearts quail.

Many a pharmacy window offers a test of courage to unsuspecting people. Good lines are often killed because they bear names unpronounceable by nine-tenths of the public. A customer who would risk entering a shop and asking for, say, "Xerasiapiro Hair Tonic," would deserve to receive a bottle free, gratis, and for nothing.

When selecting an appellation for an article we always ask ourselves "What's in a name?" If it's a good one—good business. By a good name we mean one that can be pronounced without effort or doubt, and easily remembered. "Invincible" razors, "Parex" requisites, "No. 11" preparations, "Eugenic" feeding bottles, the new line on this page—to mention just a few of our productions—are all identified by names as intelligible to the man in the street as to the man of letters.

We devote as much care and time to the selection of a title for a new introduction as in the preparation of the line itself. A combination of quality and "name-popularity" *Capsule* is good for trade.



# THE FRENCH NATURAL MINERAL WATER.

## VICHY-CELESTINS

**DISORDERS of the LIVER, GOUT,  
Diabetes, Rheumatism, Gravel, &c.**

### VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

**CAUTION.**—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: **INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.**

**PROPERTY OF THE FRENCH GOVERNMENT.**



## TWO NEW LINES

AT PROTECTED PRICES.

**"CONOREX"** The up-to-date remedy for Gonorrhœa in all stages of the complaint. It neither nauseates nor causes digestive derangement. An ideal counter line.

Trade price, 27/- doz. net; Min. Retail, 3/-.

**"LIQUID IODEX"** Consisting of an "M. & J." Atomizer and Bottle of Liquid Iodex in Convenient Case, Ideal for use in Catarrh, and other naso-pharyngeal conditions

Trade price, 48/- doz. net; Min. Retail, 5/-.

**MENLEY & JAMES, LTD.**

Manufacturing Chemists,

"MENLEY HOUSE," FARRINGDON ROAD, LONDON, E.C.

## LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,  
Manufacturing Chemists

### HULL

Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

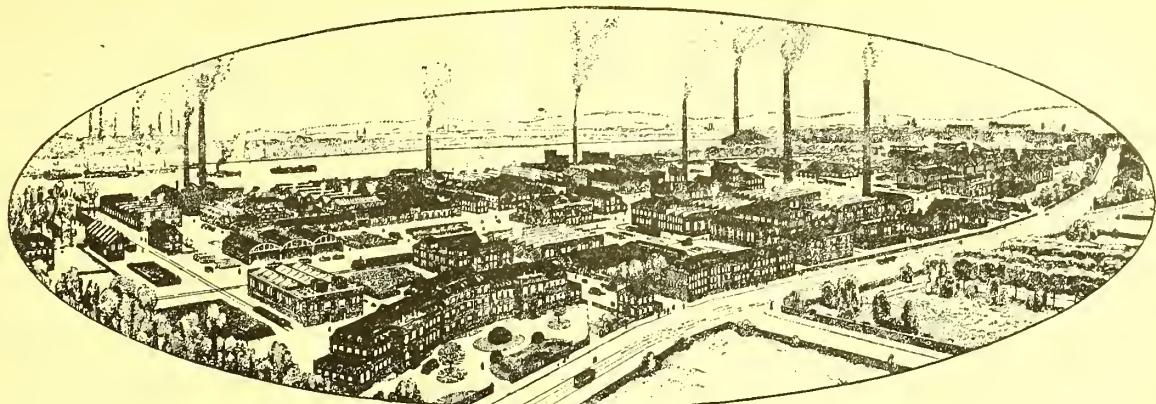
	P.A.T.A.	Protected Retail Price.	Dozen Net.
<b>LOSALL'S SALT</b> (well advertised), tins	7½d.	5/-	
" " " " "	1/2	10/-	
" " " " bottles in cartons	1/6	12/-	

\*Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

### LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, } 1/6 12/- especially suitable for use in Eczema

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.



## A Great Chemical Industry.

**I**N the year 1864 there was established in Basle a private Company for the supply of high-class Pharmaceutical Preparations, which gained so much importance that it was formed in the year 1885 into a Joint Stock Company with a Capital of Ten Million Francs, and is now known as the Society of Chemical Industry in Basle.

**NATIONALITY.** The Society is administered by a Council of Sixteen Members, all of French and Swiss nationality, and a Board of Directors composed of Seven Members, all of whom are of Swiss nationality.

**STAFF.** The Society employs 135 Chemists and Technical Experts, 380 Clerks and 2,400 Workmen, and a large number of Draughtsmen and Engineers.

**BRANCHES.** The principal Works are in Basle, of which the above is an illustration, and at Petit-Hüningue and Monthey (Switzerland). The business of the Society increased so enormously that it was found necessary to open Branch Works at St. Fons (France), and at **Clayton, near Manchester (England).** All the Works are furnished with the most complete and modern equipment, those in Basle comprising:—

Analytical Laboratories.  
Research Departments.

Physiological Institute.  
A Park for animals serving for the study of Pharmacology.

Bacteriological Laboratories.

Laboratories for the study of Organotherapy.  
Installation for the manufacture of Ampuls and Sterilising Implements.

Patent Office.  
Technical Office.

Workshops for Metallurgy, Boxmaking, Carpentry, etc., etc.

At Petit-Hüningue there is a modern installation for the manufacture of Formic Acid and Oxalic Acid, from their elements.

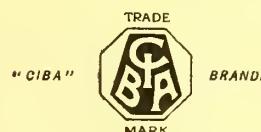
At Monthey are important Electro-Chemical Works with Hydraulic Power of about 10,000 H.P., the installation of which cost more than One Million Francs.

The Physiological Institute and the Institute of Pharmacology of the Society of Chemical Industry in Basle run on parallel lines to University establishments, and researches are constantly being undertaken by the Medical Council and Technical Staff of the Society for the utilisation in the Medical Field of substances hitherto unknown; in this way have been discovered:—

Phytin.	Salen.	Peristaltin.	Digifolin.	Euclottin.
Quinine-Phytin.	Salenal.	Lipoiodine-Ciba.	Ferrophytin.	Menthescin,
Fortossan.	Vioform.	Elbon-Ciba.	Dial-Ciba.	etc., etc.

Each preparation before it is adopted for medical use is tested on animals, and on proving satisfactory is submitted to a large number of Hospitals for Clinical and Therapeutic trial, and the results considered by the Medical Council of the Society before distributing to the Medical Profession generally.

A matter of primary importance is the purchasing of suitable raw materials, which is entrusted to a special staff controlled by Doctors and Pharmaceutical Chemists. No expense or trouble is spared in the preparation of the various Pharmaceutical Products to maintain the highest standard of perfection, and every stage in the preparation of these drugs is controlled with scrupulous exactitude which lends entire confidence to all products bearing the House Mark "Ciba."



Sole Agents in the United Kingdom:  
**THE SACCHARIN CORPORATION, Ltd.,**  
(Pharmaceutical Dept.)

36 & 37, QUEEN STREET, LONDON, E.C.

## It Will Pay to Stock "Carmex"

MOTHERS everywhere are reading the "Carmex" advertisements, now appearing in the leading journals appealing to women.

Are you ready to supply the demand and secure the profits which this publicity is bound to create?

"Carmex" is the New Remedy for Infants' ailments, which, once it has been tried, will sell again on merit alone.

Link up your pharmacy with our advertising by displaying "Carmex" on the counter, in the window or the showcase.

Order a supply of "Carmex" to-day through your usual wholesale house, or direct from us.  
P.A.T.A. min. retail, 1/3 - - - per doz. 11/-



# Carmex

Turns Baby's Tears to Smiles

William Browning & Co.,

Manufacturing Chemists, 4 Lambeth Palace Road, London, S.E.

Telephone: Hop. 3217.

Telegrams: "Semprolin, Lamb, London."

TRADE MARK

THE MOST ECONOMICAL INFANTS' FOOD.

# FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

# WINGARNIS

Sells readily ALL the time.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

#### IMPORTANT NOTE

TO CHEMISTS

WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" without a licence.

# POTTER & CLARKE, Ltd.

60, 62 and 64 Artillery Lane, London,  
And at 24 Luna Street, Great Ancoats, Manchester

## WHOLESALE & EXPORT CHEMISTS AND DRUGGISTS

Importers of Crude Drugs from all parts of the World.

Manufacturers of Coated Pills and Compressed Tablets.

Makers of Fluid and Solid Extracts.

Packers of Toilet Specialities and Proprietary Articles.

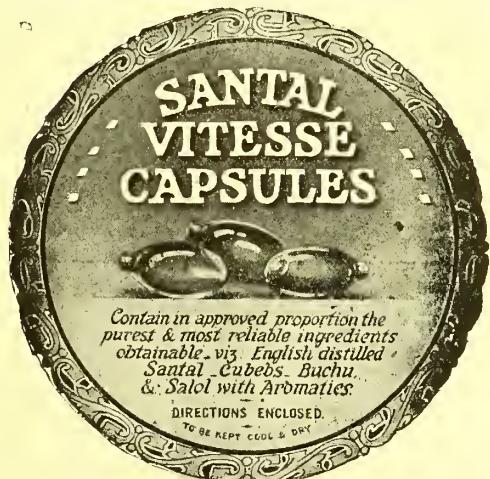
Makers of Lozenges, Jubes, &c., for Chemists' Trade.

Packers of Flower and Vegetable Seeds.

Proprietors of Potter's Asthma Cure and other Specialities.

Growers of Medicinal Plants.

Publishers of Potter's Cyclopædia of Botanic Drugs.



We guarantee this combination to be one of the most genuine and reliable on the market. The ingredients stated upon the label are absolutely pure.

2/6 boxes containing 24 ... 18/- doz.  
3/6 " " 36 ... 25/-

RETAIL PRICES PROTECTED.

Neat Showcard with all orders.

## POTTER & CLARKE, LTD.

60-64 ARTILLERY LANE, LONDON, E.

And at 24 LUNA STREET, MANCHESTER.

MANUFACTURERS OF

## FLEXIBLE CAPSULES

We have recently installed new machinery for the manufacture of Capsules and Perles, and have now one of the most modern plants in the United Kingdom.

The "Winged Lion" Capsules do not shrink, contract or go mouldy, but retain their flexibility for any length of time.

All Capsules are filled with the purest ingredients and are guaranteed effective.

**SANTAL CAPSULES.**—We would specially direct your attention to the fact that we use the finest "English drawn Santal Wood Oil" only, guaranteed pure, in our Capsules.

CAPSULE LIST SENT ON RECEIPT OF BUSINESS CARD.

# A GOOD HOUSE

FOR

**LOOFAHS**  
**Corn Velvet**  
**Bottles**  
**Mecca Foot-**  
**warmers**  
 and all Sundries

As  
 advertised  
 in  
 the  
 "New  
 World"  
 and  
 other  
 issues.

**THOMAS SWALES,**  
 24 BUTTS COURT, & 89 ALBION STREET,  
 LEEDS, England.



## Eau de Cologne "RHEIMS" Brand

1/6	Bottles	....	....	per doz.	4/6
1/-	"	....	....	"	9/-
2/-	"	....	....	"	15/-

*Subject to usual 5% discount.*

A good lasting perfume selling freely as a patriotic line wherever it is shown.

**"Newberrys"**

CHARTERHOUSE SQUARE LONDON

## LYMANS, Limited

ESTABLISHED 1800

344 St. Paul Street  
 MONTREAL.

Correspondence solicited with Firms and Corporations desiring to extend their business in Canada.

## WM. H. BOWDLEAR

Formerly of the W. H. BOWDLEAR CO.

respectfully solicits business from any and all former correspondents, either on a commission basis or otherwise.

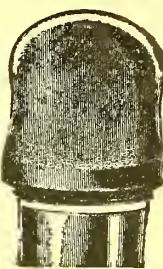
CRUDE  
 REFINED  
 and  
 BLEACHED

**BEESWAX**

Quotations given in £ sterling, per cwt.

220 DEVONSHIRE STREET (Room 201a),  
 BOSTON, MASS., U.S.A.

# GATES' BOTTLE CAPPING SKINS.



SNOW-WHITE OPAQUE  
BAUDRUACHE SKINS.

ABSOLUTELY AS OPAQUE as Split Skins and equal in appearance

ALSO

TRANSPARENT BAUDRUACHE  
and WHITE SPLIT SKINS.

GOLD-BEATERS SKIN for Medical Purposes  
cut to any sizes; Ordinary and Waterproof.

"Mine beat  
all others."



Only English  
Manufacturer—

**LESLIE GATES,**  
3 Nightingale Rd.,  
Clapton, N.E.

Telegraphic Address:  
"Englishism, Lowclap, London."  
Telephone: Dalston 1207.

# MAGNUS, MABEE & REYNARD, Inc.

257 Pearl Street,  
Cable Address—  
"MAGLAUR." New York City, U.S.A.

Importers and Manufacturers.

ESSENTIAL OILS,  
VANILLA BEANS,  
DRUGS & CHEMICALS.

We offer for sale—

Oil Peppermint, American	Oil Sassafras, Natural
.. Spearmint	.. Artificial
.. Birch (Wintergreen)	.. Wormseed, Baltimore
.. Wintergreen Leaf	.. Wormwood, American
.. Cedarwood	.. Sandalwood, W.I.
.. Limes, Distilled	Balsam Tolu
.. .. H.P.	.. Copaiba
	.. Peru

We solicit correspondence relating to the purchase or sale  
of any article used in the Drug, Perfumery or Soap Trades.

# A. Boake Roberts

& Co., Ltd..

STRATFORD. LONDON, E

... FOR ...

**SOLUBLE ESSENCES,  
ESSENTIAL OILS,  
OIL LEMON.**

If you wish to make first-class  
Aerated Waters, use  
**BOAKE ROBERTS' ESSENCES.**

**Finest Soluble Essences:**

Lemon,

Orange,

Ginger,

Ginger Ale,

Stone Ginger Beer (*Cloudy*),  
Clear Ginger Beer,

Kola Champagne,

Lime Juice and Soda,  
Lemon Squash,

Raspberry,

Strawberry,

Pineapple,

Vanilla, &c. &c.

**GOLDEN CARAMEL COLOURINGS, &c.**  
and all sundries.

**A. Boake Roberts**  
& Co., Ltd..

# SAM<sup>l</sup> LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

## CRUDE DRUGS & ESSENTIAL OILS.

*A few Specialities :—*

*ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.*

*Sole Agents for :*

*Oils : Lemon, Bergamot, Orange ; Terpeneless Oils : Lemon, Bergamot, Orange.—Fratelli de Pasquale & Co., Messina.  
Bay Rum and Bay Oil.—Bornn, St. Thomas.  
Essential Oils, Drugs, Chemicals, &c.—National Aniline & Chemical Co., New York.*

## Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

MEADE - KING, ROBINSON & CO.  
LIVERPOOL - - - - MANCHESTER



## The Leader among Dentifrices.

CALOX holds and increases its favour simply because it marks a definite scientific advance upon other preparations for the purpose, and more and more of the public are daily recognising this. In use, Calox releases purifying oxygen, Nature's finest purifier, which destroys mouth germs, neutralises acids, prevents tartar deposit, whitens the teeth, and counteracts tooth sensitiveness. Attractively packed and vigorously advertised. Calox well repays showing on your counters and in your windows.

# CALOX

THE OXYGEN TOOTH POWDER.

*Samples, Display Cartons, a d other advertising matter, free.*

Price to the Trade 1 1/- per dozen on the P.A.T.A. plan.

McKESSON & ROBBINS, New York, U.S.A., Manufacturers.

BRITISH DEPOT:

G. B. KENT & SONS, Ltd., 75 Farringdon Rd., London, E.C.

Australian Depot : Messrs. GEO. WILLS & CO., LTD., Melbourne.

A powerful antiseptic and deodorant.

# "PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

**Retails in 3d. and 6d. packets**

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

**THE ROSMARINE MANUFACTURING COMPANY,  
STAMFORD STREET, LONDON, S.E.**

CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

## "Holiday Jottings"

is an excellent piece of Holiday advertising, specially written by expert advertisers for house-to-house distribution to increase the sale of your own Profitable Specialities and Toilet Requisites.

FOUR PAGES,  $10 \times 7\frac{1}{2}$ .

500	... ...	for 12/-
1,000	... ...	17/6
2,000	... ...	15/6 per 1,000
5,000	... ...	13/6 "

Sold to only one Chemist in a town or district of large town.

Send for Specimen Copy, post free on application.

**Lloyd's**

60 Tennyson Road,  
Small Heath,  
BIRMINGHAM.

## Quick Sellers that yield Large Profits!

Peach Bloom Face Powder in three tints:—

2/- per dozen.  
6 dozen lots 1/9  
P.A.T.A. 3½d.

Whitecross Tooth Powder, two sizes:—

Small:—3/- per dozen.  
3 dozen ... 2/9  
6 " ... 2/6  
1 gross ... 27/-  
Large:—4/- per dozen.  
3 dozen ... 3/9  
6 " ... 3/6  
1 gross ... 39/-

Formalin and Mint Tooth Paste, each in a carton, Thymol Tooth Paste, each in a carton, 4/- per dozen.

Foot Powder, in dredger tins bearing illustration of a soldier ... 1/10 and 3/6 per dozen.

Solidified Brilliantine in collapsible tubes, half dozen on card ... 3/- per dozen.

Violet Cold Cream, each in a carton, 2/- dozen.

Special "M" Cold Cream in bulk:—

9d. per lb.  
28 lb. lots 8d.  
56 " 7½d.

Special quotations for quantity.

Bay Rum:—2 oz. 3/3; 4 oz. 6/-

These are a selected few out of many lines we can now supply.

**Shirley Brothers, Ltd.,** Whitecross Works,  
LONDON, S.E.

## A FEW Special Stock Lines

Offered subject to being unsold.

TRANSPARENT B.S. TEATS, plain, 15/- gross.

" " ribbed, 16/- "

" VALVES, 12 6 and 15/- "

XYLO EYE SHADES. 1/3 doz., 14/- gross.

1/- HAIR BRUSHES ... 8/- doz. 3 doz.

1/- " " Military carriage paid.

GOLLAND'S HIGH-CLASS HOME-MADE CHOCOLATES, a quick-selling profitable side line for Chemists. A Trial Parcel containing—

4 lbs. assorted Chocolates

Two ½ lb. "

One 1 lb. "

together with full list, sent post free for 10/- carriage paid.

Cash on Delivery.

## BRITISH MADE

Camel Hair

# BRUSHES

## PENCILS and MOPS

of every description  
in Goat, Squirrel, Sable, &c.

Throat Brushes on Wire  
and Cedarwood Handles

WHOLESALE AND EXPORT ONLY

*Actual Manufacturers—*

**THE ART AND MEDICAL BRUSH  
MANUFACTURING CO.**

16 Carthusian St., Aldersgate St., London, E.C.

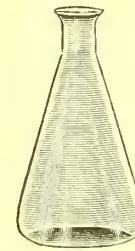
Tel. CITY 362.

WORKS: WALTHAMSTOW, ESSEX.



# CHEMICAL GLASSWARE.

BRITISH MADE.



**W** BRAND.

Manufactured by WOOD BROS. GLASS CO., Ltd., BARNSLEY.

STOCK IN LONDON.

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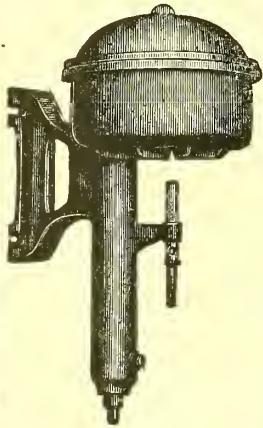
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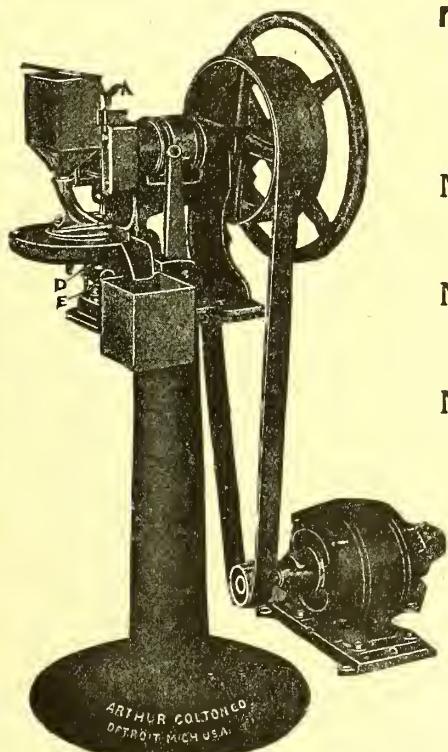
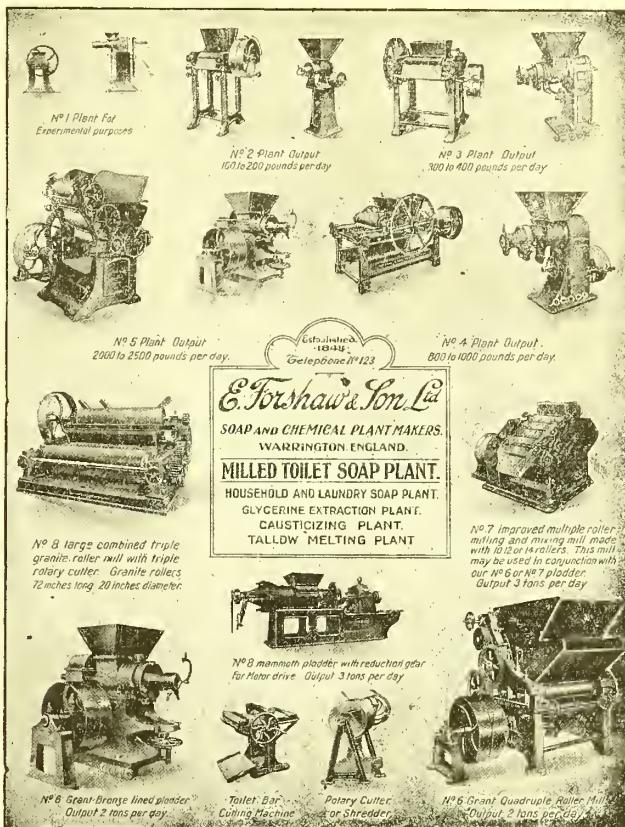
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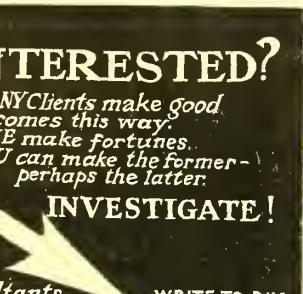
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*Chemists' Printers,*

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# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JULY 15, 1916.

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

**PROVIDED the MONEY is TELEGRAPHED**

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SLOANE STREET (Near).—Retail and Dispensing Business; held by vendor upwards of 30 years; returns £2,000; *gross profit 50 per cent.* (proof given); terms, goodwill £250, stock and fixtures by valuation; good opening for two energetic men.

2.—KENSINGTON (Death Vacancy).—Retail and Dispensing Business; returns £1,000; *gross profit £500*, present rate less; well-appointed shop, with residence; widow will consider any reasonable offer.

3.—NORTHERN SUBURB.—Middle-class Retail, chiefly ready money; returns average between £1,050 and £1,100; *net profit £450*; price about £600; full inspection invited.

4.—HERTS (Borders of).—Ready-money Business; held by vendor many years; returns £20 per week; rent £40; comfortable residence, with garden; offer wanted; vendor invites the fullest investigation.

5.—OXFORD STREET (Near) (Death Vacancy).—Good-class Business; no immediate opposition; returns £1,000 yearly; *net profit £300*; modern, well-fitted shop; price £750.

6.—TOTTENHAM.—Ready-money Business; returning under manager £1,400 to £1,500, at good prices; about the value of stock and fixtures required; part payment considered; books kept by accountant, and stock taken annually.

7.—GREAT NORTHERN LINE.—Good-class Business; returns under management about £1,050 yearly; *net profit £300*; attractive, well-fitted shop; excellent residence; price £450.

8.—MIDLANDS.—Dispensing and Retail; all good middle-class trading; returns upwards of £3,000 yearly; vendor would entertain a partnership with a view to the incomer taking up the whole within a given period.

9.—HUNTS.—Unopposed Business, Retail and Agricultural; returns £825; *net profit about £230*; comfortable residence, with bathroom and offices, flower and kitchen gardens; rent £25; price £400.

10.—HANTS.—Very old-established Business, Retail and Dispensing; returns about £850; *net profit over £250*; exceptionally good residence, with garden and outbuilding; no opposition; price £400.

11.—SUSSEX (High-class Watering-place; Death Vacancy).—Dispensing and Retail Business, including Optical; returns between £1,400 and £1,500, present rate less; *profits above the average of Retail trade*; about £1,000 required.

12.—SOUTHAMPTON (Near).—Mixed Country Business; established about 100 years; returns £800; *net profit £300*; large double-fronted shop; comfortable residence; price £450.

13.—LONDON, S.W. (Residential District).—Retail and Dispensing Business, chiefly ready money; returns £1,000 yearly; *net profit exceeds £300*; capital opening for extended trade; valuation terms entertained.

14.—WILTS.—Mixed Business; returns under unqualified management £600; good opening for extension; rent £18; price £200.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss**.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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Telephone 1934.

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£1,000 returns.—WEST.—First-class Light Retail and Dispensing; exceptional chance; well recommended by Wholesale houses; valuation about £800.

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Telephone: 1809 CENTRAL.

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1.—SOUTH-WEST COAST.—Good-class Retail and Dispensing, increasing; returns £1,250; net profit over £300; good house and Pharmacy, in best position; stock and fixtures worth about £850; price £975; books property kept.

2.—N. WALES (Death Vacancy).—Good Family Retail and Dispensing, in popular health resort; returns £500; no sideliners; plenty of scope; low rent; large shop; fine position; same hands 20 years; price £200, or valuation.

3.—EASTERN COUNTY.—Unopposed Country Retail and Agricultural; returns £350; net profit £200; nearest Chemist 7 miles; very good house, bathroom, etc., large garden; family reasons sole cause of sale; price £400.

4.—SUSSEX COAST (Rising Town).—Well-established Light Retail Business, in good unopposed position; returns about £650; scope for increase; net profit £180; splendid house, nice garden; price only £275.

5.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £300; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

6.—LONDON (Near City).—Quick Cash Retail Business, in busy marketing centre; returns about £2,000; excellent profits; smart, up-to-date Pharmacy, fully stocked; price £950; part can remain.

7.—LONDON, W.—Old-established Light Family Retail, in prominent position; returning last year £1,400; net profit over £300; now under management; excellent premises, can easily let off half rent; price £400, bare valuation.

## STOCKTAKINGS.

Appointments for stock takings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the C. & D. Diary for this year. Have you read it?

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Pharmaceutical Chemist,

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BIRMINGHAM.—Cash Retail Drug and Drapers' Business for Sale; established 21 years (present owner 2½ years); vendor estimates stock, roughly, between £700 and £800; fittings, fixtures, and goodwill £120. 115/23, Office of this Paper.

CHESHIRE (12 Miles from Manchester).—Good-class Retail and Dispensing Business; exceptionally smart and up-to-date Pharmacy, heavily stocked; splendid house; returns increased annually during last 8 years; net profit for 1915 £310; price £750. 116/15, Office of this Paper.

GLOUCESTER City.—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £650. Full particulars, 114/30, Office of this Paper.

LIVERPOOL.—Splendid opportunity for qualified or unqualified man who can Prescribe, to purchase Business in working-class neighbourhood, much neglected; weekly payments accepted. "J. W.", c/o Clay Dod & Co., Wholesale Chemists, Liverpool.

LONDON, N.—Cash Drug Stores, with side-line; good genuine concern; will suit unqualified; returns over £800; every investigation courted; nice shop and good living accommodation; same hands 22 years; low price for quick sale. 115/18, Office of this Paper.

S. ALBANS.—For immediate disposal, owing to death of the proprietor, old-established Business (over fifty years), in centre of city. Apply, H. E. Allenby, Chemist, Ripley, Surrey.

SHEFFIELD.—Exceptional chance of acquiring sound Business on main road in densely populated neighbourhood; established 20 years; present ownership 15 years; one Chemist only in radius of about 2 miles; takings under female management, £6 to £8 weekly; low rent, £20; price for quick sale £70. Address, 115/37, Office of this Paper.

SOUTH-WESTERN County.—Old-established Business in pleasant country town; commodious and central premises, good garden; business sound and increasing; scope for much further increase; owner wishing to go North, will offer favourable terms to Cash Buyer, or would consider exchange of business. "Northerner," 30 Adelaide Road, West Ealing.

TWICKENHAM: Re C. J. G. Bunker (Deceased).—Chemists' and Opticians' Business for immediate Sale; returns over £1,850, of which £450 is for Optics; excellent profits; low rent; long lease; good house; price about £1,000, simply value of stock and fixtures; Chemist's Business would be sold separate if desired, £600 cash, balance by arrangement to reliable man. Orders to view and full details only of Berdoe & Fish, Valuers, 35 Jewry Street, Fenchurch Street, City.

**C**HEMIST, N.W. London; main tram and bus route; near station, garage, and barracks; long lease; rent £8 per annum; £1,250 all at; part can remain on mortgage. Apply, Lea & Lea, 13 Old Jewry Chambers, London, E.C.

**C**HEMIST'S Business in fine position at Hastings for Sale as a going concern; reasonable rent; takings average about £1,000 per annum. For further particulars apply to Parkin S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 32 Kimberly House, Holborn Viaduct, London, E.C.

**D**RUG Stores for Disposal owing to husband being called up; will accept £35 fixtures, fittings, and goodwill; stock at value; rent £40; 6 rooms, large garden and stable; 3 rooms and stable let off at 8s. per week. Digmans, 153 Eardley Road, Streatham, S.W.

**F**INE opportunity of acquiring neglected Country Retail, formerly prosperous business, with great possibilities for future success; large, handsome shop, nicely fitted, small working stock; 6-roomed house, warehouses, garden; rent £35; low price (little over £100) for immediate disposal; premises (recently redecorated throughout) may be acquired by easy payments instead of rented. 115/190, Office of this Paper.

#### TO CHEMISTS AND DRUGGISTS.

**F**OR immediate Disposal, very old-established Business in South-Eastern district of London; lease about 15 years to run at £100; upper portion sublet at £52 per annum. Present turnover £16 weekly, but could probably be increased by an energetic qualified man with a little capital. The Business is being carried on under a deed of assignment for the benefit of creditors, and in order to effect a speedy sale the Trustee would be willing to accept the nominal sum of £100 for the lease and goodwill, the stock, fixtures, and fittings to be taken in addition at a valuation, or an offer for the whole concern would be considered. For further particulars apply, Francis Nicholls, White & Co., Chartered Accountants, 14 Old Jewry Chambers, London, E.C.

**F**OR Sale, Patent Medicine, with world-wide Business; trademarks; magnificent testimony; suitable syndicate; only principals or solicitors reply "Trustee" (115/3), Office of this Paper.

**G**ENUINE unopposed Village Retail; in same hands over 40 years; turnover exceeds £800; net profit £200; good shop, nicely fitted, well stocked; exceptionally good house, bathroom, garden, etc.; rent £25 clear; price £400. "Eastmid" (115/19), Office of this Paper.

**L**IIGHT Retail and Prescribing Business in West of England town; easily worked; profitable and comfortable, but ample scope for extension under active management; introduction if desired. "Arsenic" (115/36), Office of this Paper.

**W**AR Opportunity.—Thriving Business in pleasant industrial town in Kent, 50 miles London; highly profitable; turnover £800 (under manager), increasing; excellent opening for Dentistry, Optics, and Photography; no opposition whatever; large panel; price £350 for immediate sale. 116/11, Office of this Paper.

## AGENCIES.

**A**GENCIES Wanted.—A firm of General Importers, Indentors, and Manufacturers' Agents have opening for Agencies of all kinds; splendid situation Melbourne business centre; fine naturally lighted showrooms and large windows; reference, Commonwealth Bank of Australia. E. Duncan & Co., Strand Buildings, 152 Elizabeth Street, Melbourne.

**G**ENTLEMAN with large connection (on ground South of the Thames, about 12 miles out), calling on Chemists, Stores, and Wine and Spirit Merchants, etc., would like to take up good selling lines. C. P. Morgan, 12 Princes Avenue, Church End, Finchley, N.

**L**ADY, with good connection among Chemists and Druggists in London and suburbs, wishes to Represent Wholesale Chemists; salary and expenses or commission and part expenses. Apply, 116/29, Office of this Paper.

## BUSINESSES WANTED.

**A**SMALL Light Retail Business in seaside or small country town, with house attached; moderate rent; cash ready. Send particulars, which will be treated in strict confidence, to 115/13, Office of this Paper.

**W**ANTED to purchase, on easy terms, a small suburban Drug Store, in pleasant rising neighbourhood, with house attached, garden if possible; doing £10 weekly or upwards. Fullest particulars in first letter, "E. C." (116/9), Office of this Paper.

## LEGAL.

#### NOTICE.

**I**N the matter of a Deed of Assignment for the benefit of Creditors dated the 29th day of June, 1916, executed by John Fountaine Stratton, of Burnham Market, Norfolk, Chemist.

NOTICE IS HEREBY GIVEN that all persons having any claims against the estate of the above-named Debtor who have not already sent in their claims are requested to send them to us at once.

Dated this 7th day of July, 1916.

CATES, BUTCHER & ANDREWS,

Fakenham, Norfolk,

Solicitors to the Trustee.

## FOR SALE.

**A**CROSS-FLAGS Trade Mark in Class 50, for Wax Goods, Heel Balls, Dubbin, Razor Pastes, Polishing Liquids, Powder and Paste, and other likely Polishing, Burnishing, and Cleaning materials included in that class; this mark can be utilised as Anglo-American, Anglo-French, Anglo-Italian, and adapted to any other national market by changing the design on one flag, retaining the Union Jack on the other flag. Address, "Bednals" (10/20), Office of this Paper.

**B**EST offers, 2 lb. Acid. Salicylic.; 2 lb. Potass. Bromid.; 2 lb. Bismuth. Salicylas; 25-oz. tin Quinin. Sulph.; 3 oz. Styraeol; 2 oz. Thiocol; 3 oz. Phenacetin; 2 oz. Argyrol; 1 oz. Codeia; 1 oz. Butyl Chloral Hydras; 35 gr. Atropin.; 2 oz. Morph. Acet.; 1 oz. Resorcin; 1 25 Piperazine Taboids, gr. v.; 9 100 Compd. Phenacetin Tablets; 9 1s. 11d. Cow and Gate Milk; 1 9s. 6d. Sanatogen; 3 5s. Sanatogen; 2 2s. 9d. Sanatogen; 1 1s. 9d. Sanatogen; 1 4s. Ratinol; 30 unopened Oppenheimer's Pulverettes; list sent. Shuker & Reed, Ltd., Chemists, Launceston.

**F**OR Sale, Stöke's Granulating Mixer, designed for preparing Tablet Masses, suitable mixing Powders; capacity 50 lb.; cost £30 last year; what offers? 3 Concert Street, Liverpool.

**F**OR Sale, Stock and Fixtures of Chemist's shop, cheap for prompt sale; Cases, plate-glass fronts, glass shelves, mirror backs; Bottles, recess labels; small stock, well kept and saleable. "X. Y. Z." (116/13), Office of this Paper.

**G**LYCERINE.—2 cwt., free of all restrictions, best British make; what offers? Apply, 110/6, Office of this Paper.

**H**ARVARD Dental and Surgical Chair, many positions; forms couch; recently re-upholstered, not used since; accept five guineas, about a fourth of original cost; no further use; must sell; seen by appointment. Offers to "L." 4 Farquharson Road, West Croydon, Surrey.

**S**ALOL, 2s. 6d. oz.; Quinine Sulph., 2s. 9d. oz.; Lithia Salicyl., 1s. 4d. oz.; Aitifebrin, 9s. Ib.; 3j. Atropine Sulph., 16s.; Sodii Benzoin, 1s. 6d. oz.; Butyl Chloral, 2s. 6d. oz.; Iodol, 3s. 6d. oz.; Santonine, 9s. oz.; ½ oz. Codeine Phosph., 10s.; Morphine Hydroch., 18s. oz.; Sodii Salicyl., 16s. Ib.; Sulphonial, 2s. 3d. oz.; Mannite, 1s. oz. Jean, Chemist, Jersey.

**S**ELF-ADDING National Till, Second-hand; keys ½d. to 10s.; bargain. Write, 10 Tiverton Flats, S.E.

**W**HAT offers? 78 gross Crown Sprinkler-top Stoppers, new condition, whole or part; samples on application to bona-fide buyers; two sizes. Wain, Chemist, Longton, Staffs.

**400** Phenacetin Tablets, 5 gr.; 12 lb. Potass. Carb. Pearl Ash; ½ lb. Potass. Bichrom.; ½ lb. Menthyl Salicylas; 8 oz. Naphthol Beta; 6 oz. Phenazone; 14 oz. Potass. Caustic Sticks; 14 oz. Soda Caustic Sticks; 8 oz. Lycopodium; 7 oz. Quinia Salicylas, Howard's; 12 oz. Ext. Belladon. Liq., '98; 6 oz. Hydarg Ox. Flav.; 400 tablets Hydarg. Perchlor, 8.75; 150 tablets Acetyl Salicyl., gr. 5; 400 tablets Sodii Salicyl., gr. 5; 150 tablets Sulphonial, gr. 5; 100 tablets Salol, gr. 5; ½ oz. Thymol; all or part, less 20 per cent. E. S. L. & W.'s list or B. D. H., Ltd., list. Clements, Cooteshill, Ireland.

## APPRENTICESHIPS.

**W**ANTED, to apprentice a lad to Public Analyst or Analytical Chemist. Apply, 13/42, Office of this Paper.

## SALES BY TENDER.

**DYEWARES.**—Stock of Kalle & Co., Ltd., of Manchester and Bradford, for Sale by Tender. List, samples, and all particulars on application to Controller, William Eaves, Incorporated Accountant, 15 Fountain Street, Manchester.

## PARTNERSHIPS.

**CHEMISTS' OWN SPECIALTIES.**—Advertiser with thorough knowledge of the Drug and Sundries trade, also Selling markets, with own Offices and equipment, would be prepared to work Agency for, or give publicity to, any good Lines; for promising ideas would be prepared to invest reasonable amount, or to work on partnership basis. Give fullest particulars, stating success hitherto achieved, in strictest confidence, to "Publicity" (112/6), Office of this Paper.

**KENT City.**—A few hundreds for expanding 1914 Business; K returns £700 (for new Photography and Optical Department); elegantly fitted. "M.P.S." (14/69), Office of this Paper.

**WANTED**, gentleman of ability to invest £1,250 in high-class Pharmacy in town; applicant must be married, and will be required to take almost entire control; total income in return, £500 to £600 per annum, present figures; excellent opportunity for increase. Please give preliminary details, when interview will be arranged, "Medical" (114/18), Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.



This Blackboard demonstrates that Advertisers using these columns get a really response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

## RETAIL.

**ASHTON-UNDER-LYNE.**—Wanted for a few weeks, Assistant as Locum; must have good references; Dispensing and Light Retail; half-day holiday; no Sunday duty; hours fairly light. State full particulars, Phillips, Ryecroft Pharmacy, Ashton-under-Lyne.

**BRISTOL.**—Qualified Manager for Light Cash Retail in pleasant suburb; good prospects; experienced Junior and lad kept. Qualified Locum also required for September 4 to 18. Please give usual particulars to C. A. Stokes, M.P.S., Chemist, Bristol.

**CAMBERLEY.**—Wanted early in September, outdoor Assistant with good Dispensing experience. Full particulars to F. A. Cairns, Pharmaceutical Chemist, Camberley.

**CARDIFF.**—Assistant wanted (outdoors), with good Counter experience. Apply, stating age, height, experience, references, and salary required, Duck & Son, Chemists, Cardiff.

**CLIFTON, Bristol.**—Capable Dispenser, indoors, for high-class business; no evening duty. Apply, stating age, experience, references, and salary required, to Giles, Schacht & Co., 52 Royal York Crescent, Clifton.

**GLoucester.**—Assistant wanted, qualified or unqualified; must be a quick and accurate Dispenser, for Dispensing business. Full particulars as to age, height, salary required, (outdoors), and when disengaged, to W. H. Hampton, 86 Northgate Street, Gloucester.

**GRIMSBY.**—Qualified Branch Manager required, ineligible; good salary and short hours; no Sunday duty. Apply, giving age, experience, references, and salary required (outdoors), with photo (returned), to the Exors. W. Barker, Chemists, Grimsby.

**GRIMSBY.**—Lady Assistant wanted immediately, indoors, for Counter work and putting up stock; one with 18 months' or two years' experience will suffice. State all particulars, salary and references, to "Pharmacist," 170 Hainton Avenue, Grimsby.

**HALIFAX, Skircoat Green.**—Established 5 years, growing district, will Sell for valuation by agreed Valuer; stock and fixtures about £300; returns growing yearly. Apply, 341 Skircoat Green Road, Halifax.

**KENT.**—Wanted, Assistant, outdoors, unqualified, gentleman or lady (with Counter experience), for a Light Retail and Dispensing business; short hours; Wednesday half-day. Apply, stating age, height, experience, and salary required, to "H. J." (116/17), Office of this Paper.

**LIVERPOOL.**—Managing Assistant; over 41 or ineligible; accustomed to Prescribing, Light Retail, and Dispensing; permanency for good man; qualified or unqualified. State experience, age, and salary expected, 114/5, Office of this Paper.

**LANDRINDOD WELLS.**—Assistant wanted for season, either sex. Full particulars to Evans, Chemist, Llandrindod.

**LONDON.**—Locum (male), wanted for 6 weeks, commencing August 14; hours 8.30 a.m. till 7 p.m., Saturdays 1 p.m.; no Sunday or Bank Holiday duty; salary £3 per week. State age and full particulars to "B." (114/32), Office of this Paper.

**LONDON, N.**—A Dispenser wanted for two weeks, commencing 22nd inst., by a firm of Doctors. Apply to Drs. C. B. & C., 124 Strand Green Road, N.

**LONDON, S.W.**—Locum, qualified or unqualified, August or early September, for week or fortnight, quick Counter trade. Full particulars, experience, references, salary required, and when at liberty, Goodall, 66 Lower Richmond Road, Putney.

**LONDON, S.W.**—Wanted, a qualified Assistant. Apply, with full particulars, to Amoore & Co., 173 Sloane Street, S.W.

**LONDON, S.W.**—Required, lady in large West-End establishment to receive Prescriptions and make out Bills. Write, giving full particulars of experience and wages required, to "L. J.," 512, Sells' Advertising Offices, Fleet Street, E.C.

**LONDON, S.W.**—Required, Dispenser, male, Minor qualification; hours of work 8.45 to 6 p.m. Write, stating full particulars of experience and wages required, to "L. J.," 511, Sells' Advertising Offices, Fleet Street, E.C.

**LONDON, W.**—Good Dispenser wanted as soon as possible (lady or gentleman); qualified or unqualified; outdoors. James Garner, 106 High Street, Kensington.

**LONDON, W.**—Wanted, trustworthy, capable man for afternoon and night work; hours—3 days 1.30 p.m. until 12 midnight, 3 days 7.30 p.m. until 12 midnight; alternate Sunday evenings; good references necessary. Apply, stating salary, to 114/29, Office of this Paper.

**LONDON, W.**—Wanted, a Junior Assistant; outdoors; good Dispenser. W. F. Pasmore, 320 Regent Street, London, W.

**LONDON, W.**—Required, an Assistant, July 24 or earlier, lady or gentleman; accustomed to good-class Dispensing. Apply, with full particulars, age, experience, and salary required (outdoors), to W. A. Weston, 8 Sandringham Parade, Ealing.

**LONDON, W.**—Improver wanted at once for putting up Drug Orders and Stock in Wholesale Warehouse; short hours. Apply, in writing, stating wages required, to Hospitals & General Contracts Co., Ltd., 1935 Mortimer Street, W.

**M**ANCHESTER.—Qualified Assistant required. Please send full details to "A," c/o Heath Bros., Blackfriars, Manchester.

**M**ANCHESTER.—Manager required for quick, Light Retail, Cash trade; present Manager called up; Advertiser already in H.M. Forces. State age, height, wages, etc., 14/31, Office of this Paper.

**N**EWINGTON BUTTS, London.—Well-known firm have an opening for capable unqualified Assistant above military age, or who has been rejected; application from a smart young lady who has had experience in Chemist's shop, particularly Dispensing, would be entertained. 116/351, Office of this Paper.

**P**RESTON.—Wanted, qualified Branch Manager (male or female) at once or earliest; state wages required; good house if required. Apply, Barnes & Son, 114 Fishergate, Preston.

**S**T. MARY'S HOSPITAL, PADDINGTON, W.—Wanted, a qualified Assistant Dispenser (male) for six weeks, commencing July 24; salary £2 10s. per week, with luncheon and tea. Apply to the Secretary.

**S**ALISBURY.—Unqualified Junior Assistant, outdoors, permanency, either sex, required immediately; also qualified Locum. Full particulars to Atkins & Son, Pharmacists, Salisbury.

**S**EVERALLS ASYLUM, Colchester.—Wanted, a qualified Dispenser as Locum Tenens for three weeks; lady preferred; salary 2½ guineas weekly, with dinner and tea daily. Apply to the Medical Superintendent.

**S**OUTH COAST.—Assistant for Light Retail and Dispensing; must be competent; easy hours; ineligible. Please give full particulars and salary required (outdoors), 115/14, Office of this Paper.

**S**OUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

**S**TAMFORD.—Manager, qualified, wanted for high-class Dispensing and Family business. State salary required (outdoors), Dickinson, Chemist, Stamford.

**S**WANSEA.—Wanted, competent Assistant, good-class Retail and Dispensing. Please state age, salary, outdoors, photo if possible. Wright & Son, Chemists, Swansea.

**W**EST END.—Wanted, a good Assistant for evening duty, 7 p.m. to 12 midnight; accustomed to good-class Counter trade; ineligible; outdoors; with the best of references. Apply, 114/290, Office of this Paper.

**W**ESTGATE-ON-SEA.—Temporary Assistant wanted at once, for a few weeks, lady or gentleman; easy hours. State salary required, experience, and age, to C. H. Dixon, Pharmacist, Westgate-on-Sea.

**W**INDSOR.—Locum wanted for three weeks in August or early September in Cash Retail and Dispensing business. Apply, stating age, reference, and salary required, to R. W. Houfe, Pharmaceutical Chemist, 40 Peaseod Street, Windsor.

**W**OLVERHAMPTON.—Qualified Manager for Branch (ineligible); commence middle of August; live out; suit man used to manufacturing district; Light Dispensing and Retail. Send particulars to The Secretary, Lowe Ltd., 42 Dudley Road, Wolverhampton.

**W**ORCESTER.—Assistant required, principally for Dispensing; qualification not essential. State experience, age, references, salary required, and enclose photo, Anderson & Virgo, Chemists, Worcester.

**Y**ORK.—Managing Assistant required for Country Branch (with licence); beautiful district; easy berth; free house provided, with large garden; to a man proving his worth an interest in the business will be given. State full particulars, salary required, etc., to Falconer, Chemist, Walmgate, York.

**A** QUALIFIED or unqualified Assistant wanted middle of August, in a good-class business, for duration of war or longer; married and over military age; experienced Dispenser essential. State salary required and references, to W. Parry-Jones, Chemist, Barnet.

**A** YOUNG Lady Junior to assist at Dispensing and Light Retail for two weeks; indoors. 113/16, Office of this Paper.

**A** SSISTANT, early in August, for Dispensing and Light Retail; must be experienced, and a competent Dispenser; ineligible for military service; outdoors; no Sunday duty. State full particulars in first application to W. J. Green, Pharmacist, Trowbridge, Wilts.

**A** SSISTANT wanted (ineligible), as Locum for one month, with view to permanency; good salary to approved modern Window-dresser, etc. In reply please state age, references, salary, etc., to 118/5, Office of this Paper.

**C**OMPETENT Assistant required for Dispensing Counter; outdoors. Full particulars to Nathl. Smith & Co., High Street, Cheltenham.

**D**ISPENSER, lady or ineligible man; must be quick, accurate, and a good writer. Applicants please state age, height, references, salary required, and enclose photo, to Chave & Jackson, Ltd., Chemists, Hereford.

**D**ISPENSER, experienced, male, outdoors, wanted, by a firm of Physicians and Surgeons in the City; good references essential. Address, S. 366, c/o Deacon's, 7 Leadenhall Street, E.C.

**E.** C. PERKS & CO. require an experienced Assistant; indoors. Reply by letter, giving all particulars of experience, salary required, etc., to 1 Sloane Square, S.W.

**E**XPERIENCED Dispenser, qualified preferred, wanted immediately; exempt or above military age. Apply, Mauager, Heppell & Co., Hotel Cecil Buildings, Strand, W.C.

**H**HELP Urgently Wanted by 25th inst.—Assistant for Dispensing and Retail, gentleman or lady with some knowledge of Counter, or lady well up in Dispensing. Personal interview preferred, if by letter with fullest particulars to save time, Pelham Young, Pharmacist, Hounslow. Phone 153 Hounslow.

**I**MMEDIATELY.—A competent, trustworthy Assistant; accustomed to good-class business. W. Pickard, 3 West Kensington Terrace, W. (opposite West Kensington Station).

**J**UNIOR Assistant wanted immediately; outdoors (ineligible); country trade, State age, present and past situations, references, and salary required, Reade Brothers & Co., Ltd., Wolverhampton.

**J**UNIOR Assistant for high-class Dispensing business; two Assistants kept; in or outdoors. 116/33, Office of this Paper.

**L**ADY Dispenser required August 1; salary £50, board, lodging, and laundry provided; to live with nursing staff; state qualifications. Apply, with copies of testimonials, Secretary, Princess Christian Hospital, Weymouth.

**L**ADY Assistant; must be a good Dispenser, and have had experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State age, salary required, and when at liberty, "L. A." (116/35), Office of this Paper.

**L**OCUM, well recommended, wanted for a fortnight in August or beginning of September; room provided. Howard, 4 Napier Road, Kensington.

**M**ANAGER, qualified, ineligible, wanted at once for about nine months, to take entire charge of a small business in Midlands; apprentice kept. 114/16, Office of this Paper.

**M**ANAGER; qualified; West-End good and middle-class business; sole charge; reliable, trustworthy; good Counter experience. State full particulars and salary required, "X." (116/39), Office of this Paper.

**M**ESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

**P**ART-TIME, to take charge afternoons, evenings during August, Thursday and Sunday excepted; personal interview; good-class Pharmacy; no N.H.I. Herbert Evans, Chemist, 2 St. Andrew's Pavement, Dunsire Road, Stamford Hill, N.

**Q**UALIFIED lady Pharmacist wanted for period of the war, or for at least six months, at a Hospital for Children (70 beds and Out-patient Department); attendance required all day, except Sundays; candidates should write fully, stating age, qualifications, past experience, and salary desired. Applications (by letter only), with not more than three testimonials (copies), to Secretary, Evelina Hospital, Southwark, London, S.E.

**Q**UALIFIED Assistant to take sole charge of a small Branch shop in Yorkshire. Particulars, "Tyke" (110/4), Office of this Paper.

**Q**UALIFIED Manager required for modern Cash business; permanency, with plenty of scope; liberal interest in the profits offered to a first-class man; state whether married. "Manager" (116/350), Office of this Paper.

**Q**UALIFIED Chemist to Manage Light Retail business; also Junior Assistant for Dispensing and Counter work. Applicants for either vacancy must be men ineligible for military service or women. Particulars of experience, age, and salary required, should be stated in first letter, Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

**R**ELIABLE Assistant for high-class Country Retail Dispensing business; duties mainly Dispensing (some N.H.I. work); reasonable hours; pretty district, healthy; in or outdoors. 112/5, Office of this Paper.

**U**NQUALIFIED Assistant wanted for good-class Store trade, Richmond, Surrey; permanency; no Sunday duty. Apply, personally or by letter, Coppen Bros., Ltd., 12½ Carey Street, Vincent Square, Westminster, S.W.

**W**ANTED, qualified Assistant, speaking French, with knowledge of Continental Pharmacy; exempted from military services. Full particulars, Box 354, c/o Mather & Crowther, Ltd., 10/13 New Bridge Street, E.C.

**W**ANTED, for week or ten days early in August, Assistant to take charge; in or outdoors. Reply, stating requirements, or call, Wyatt, Broadway, Barnes.

**W**ANTED, an Assistant who has had good Retail and Dispensing experience; outdoors. Apply, stating salary required, and full particulars, to D. P. Roberts, Chemist, 120 North End, Croydon.

**W**ILCOX, JOZEAU & CO., 49 Haymarket, S.W., desire a careful, energetic Assistant; outdoors; ineligible; good references required; ladies not eligible.

## WHOLESALE.

**A**VACANCY will occur in September for a lady as Assistant in an Analytical Laboratory in the City; Junior position; salary £80. Usual particulars to 114/28, Office of this Paper.

**C**OUNTER Assistants, Wets and Dries, also Checkers for Home and Export despatch; ineligible for military service. Apply to Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

**G**IBSON, Wholesale Manufacturing Chemist, Gooch Street, Birmingham, require the services of an unqualified Chemist (ineligible for Army) to act as Representative, with occasional service indoors; comfortable position, with good prospects and possibilities for energetic and trustworthy man. State age, experience, whether married, and salary required.

**L**ABORATORY Assistant required. Apply, by letter only, stating previous experience if any, to "Chemist," Devon Wharf, Mile End, E.

**M**AN wanted immediately for putting up Drug orders and stock in Warehouse. Apply, in writing, stating wages required, to Hospitals & General Contracts Co., Ltd., 19-35 Mortimer Street, W.

**Q**UALIFIED Chemist, experienced in Tablet-making, required by well-known Proprietary House. Write, full particulars, stating age and salary required, to 13/470, Office of this Paper.

**R**EPRESENTATIVE (whole time) wanted by well-known Proprietary House to call upon Chemists, Doctors, and Hospitals in London district; must have sound connection, and be able to prove capability. Write, full particulars, stating age and salary required, to 13/47, Office of this Paper.

**R**EPRESENTATIVES wanted, calling on Chemists, for London and Provinces, by French Produce Merchants, holding good stocks on spot; must have sound connections; liberal terms. Write, Bulteaux & Co., Ltd., 17 Victoria Street, Westminster, London.

**S**HEEP Dip.—Wanted immediately, two smart Travellers having sound connections amongst the Farmers and Buyers of Sheep Dip; commission of 10 per cent. would be paid on all orders accepted, and if services were satisfactory at one month's trial a permanent salaried position would be given. All applicants must be prepared to come to London for interview, and in the reply to this advertisement give full particulars of present position and references, 114/4, Office of this Paper.

**S**OAP Foreman.—Wanted at once, good Foreman to take control of Toilet Soap Department; must be a good organiser, and have had thorough up-to-date experience in the Manufacture of milled and transparent Toilet Soaps; ineligible for military service; good salary to competent man. Apply, with full particulars, to "Soap" (113/14), Office of this Paper.

**T**RAVELLERS.—London, South Coast, Midlands, West and North of England, open to Represent another House (Eau de Cologne Toilet Preparations, etc.), on salary and commission. Please write, "Cologue" (116/7), Office of this Paper.

**U**SEFUL man wanted for London Laboratory, Manufacturing Chemists; capable of looking after Receipt and Despatch of Goods preferred. Apply, stating age, experience, and salary required, to 14/39, Office of this Paper.

**W**ANTED, an Assistant for Surgical Department, with general knowledge of Fitting Trusses, Elastic Stockings, Belts, Bed Irons, and Artificial Limbs, and supplying ordinary Medical and Surgical Sundries; must not be liable for military service. Apply, with full particulars, to Brady & Martin, Ltd., Northumberland Road, Newcastle-on-Tyne.

**W**ANTED, Youth with some Chemical training for Laboratory of Manufacturing Chemist; good opportunity for suitable Junior. Apply, with full particulars, to "C," Messrs. E. T. Pearson & Co., Ltd., London Road, Mitcham.

**W**AREHOUSEMAN and Packer, with slight knowledge of Chemicals and Drugs, wanted immediately. Apply, 15/39, Office of this Paper.

## SITUATIONS OPEN.

### (Colonial, Indian and Foreign.)

**3s. 6d.** for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

**C**HINA.—An Assistant, accustomed to first-class Retail and Dispensing business; qualified preferred, but not essential; age 21-30; four years' agreement; good salary; passage paid out and home; must be ineligible for military service. Address, "X." (114/3), Office of this Paper.

## SITUATIONS WANTED.

**1s.** for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

### [HOME.] RETAIL.

**A** LOCUM or permanency entertained; reasonable terms; excellent experience and credentials. "Chemist," 40 Boat House, Exmouth, Devon.

**A**FTER 3 p.m. Wednesdays, all day Sundays; experienced Pharmacist desires appointment, London, State terms, 15/42, Office of this Paper.

**A**S Relief, any capacity, qualified, active, any evenings or Sundays, or Saturdays from 3; London, or would act as Cover; disengaged. Apply, 114/36, Office of this Paper.

**A**S Manager or Assistant; Locum, permanency; qualified; London and provincial experience. 117/29, Office of this Paper.

**A**S Locum, for a month or six weeks; good Dispenser and Counter-man; unqualified; young; 50s. or equivalent; disengaged. "Chemico," 374 Barking Road, E.

**A**S Branch Manager or Hospital Dispenser; qualified; disengaged; above military age; irreproachable references. 117/32, Office of this Paper.

**A**SSISTANT, lady (Hall), desires post with South Coast Chemist; Locum or permanent; thoroughly experienced, Dispensing, Counter, Photography; good testimonials. "Assistant," 3 Broadway, Worthing.

**A**SSISTANT; qualified; 39; married; disengaged; ineligible. Stewart, 3 Elborough Street, Southfields, S.W.

**A**SSISTANT; West-End Dispensing experience; over military age; disengaged. Apply, 115/1, Office of this Paper.

**A**SSISTANT (32), unqualified, two or three months, or Locum; thoroughly competent; highest references; high-class Retail and Dispensing experience and Photography; London or South Coast preferred. State salary (disengaged July 24), 116/2, Office of this Paper.

**A**SSISTANT; 39; unqualified; married; granted one month's exemption for transference to busy N.H.I. business; experienced and capable Dispenser; S.W. district preferred. "Radix," 41 Selwyn Avenue, Richmond, Surrey.

**A**SSISTANT (L.P.S.I.), elderly, desires immediate employment; outdoors. "H. G. E." 21 Blechynden Terrace, Southampton.

**C**HEMIST, qualified, many years' experience as Drug Buyer and Manager in departmental stores, is desirous of making a change; present position 9½ years; most excellent references; keen buyer and well up in all branches of business; can open new department or extend existing one; age 48. Nosworthy, 1 Barons Court Road, W. Kensington.

**C**HEMIST wants change; West of England desired, Bristol, Exeter, Plymouth; permanency; reference. 14/55, Office of this Paper.

**D**ENTAL Mechanic (Vulcanite) and Chemist Assistant; abstainer; age 30; married; 11 years at present place; ineligible; N.H.I. Dispensing. Hamilton, 31 Buckstone Road, Edmonton.

**D**ISENGAGED July 21, Locum or otherwise. "Rhei," 37 Upper Kennington Lane, S.E.

**D**ISPENSER (30), desires change; City preferred; £3 weekly. 115/39, Office of this Paper.

**D**ISPENSER or Traveller; over 20 years' experience in Medicines; good Prescriber and Extractor; invalided last appointment, specially enlisted Dispenser Royal Army Medical Corps; highest testimonials. Henderson, Mariville, Ruswarp, Whitby.

**E**LDERLY qualified man seeks permanency as (small) Branch Manager; active, reliable, and conscientious; easy hours and duties; town and country experience. "Ferro" (115/15), Office of this Paper.

**J**UNIOR Medical Student desires further Dispensing experience. "H," 110 The Grove, Ealing.

**L**ADY Dispenser, Hall qualification, experienced, requires post with Doctor; country town preferred. Miss Image, 69 Harcourt Terrace, Redcliff Square, S.W.

**L**ADY Dispenser (Hall), experienced, wishes part-time or light post; permanency; neighbourhood of Hampstead or Golder's Green. 116/30, Office of this Paper.

**L**ADY Dispenser, Hall qualification, Hospital experience, seeks post with Doctor or Institution. Apply, 117/39, Office of this Paper.

**L**OCUM, Pharmacist in business, middle-aged, is open for engagements during summer months; best all-round experience. Terms, etc., from "Chemist," Front Street, Shotley Bridge (Co. Durham).

**L**OCUM, qualified, experienced, exempt from military service, desiring change, is open to book light engagements. Kindly state full particulars with remuneration offered. Withall, Willow House, Whittington, Oswestry.

**L**OCUM or season appointment; first-class experience; qualified; ineligible; 32; now at liberty. Sumner, Prospect House, Wilmslow.

**L**OCUM; disengaged next week; qualified; experienced, London and country. "Resorcin" (115/11), Office of this Paper.

**L**OCUM Tenens or temporary; disengaged July 17; over military age; references. "L. T.," 40 Glen Park, Eastville, Bristol.

**L**OCUM (lady); qualified; disengaged August 1; Coast or country, Northumberland. 117/35, Office of this Paper.

**L**OCUM; qualified; Hospital or Pharmacy; abstainer. "Pharmacist," c/o Bradburn, 18 Queenhithe, E.C.

**L**ONDON Only.—Branch Manager; Assistant; over military age; unqualified; abstainer; Front Counter; Dispensing; disengaged. State salary (outdoors), "Hodie," 10 Alfearn Road, Clapton, N.E.

**M**ANAGER or Senior; 33; married; capable and willing; Class Civil; Dentistry, Optics; best London experience. "T," 124 Manor Park, Lee, S.E.

**M**ANAGER-LOCUM; qualified; disengaged August 26 for a fortnight. Heyman, 3 North Road, Highgate, N.

**P**ART-TIME, mornings; qualified; experienced; W. preferred. "Somerset," 10 Castle Bar Road, Ealing, W.

**P**ART-TIME, qualified, evenings, Saturday 2 p.m., occasional Sundays. "Pharmacist," 5 Claverton Street, S.W.

**P**ART-TIME lady Dispenser (Hall certificate); experienced; London or suburbs. Miss L., 3 Culross Street, Park Street, W.

**Q**UALIFIED, ineligible, Locum or Management; reliable, energetic; disengaged. Apply, "Rex" (114/26), Office of this Paper.

**Q**UALIFIED Chemist and Fourth-year Medical Student seeks part-time employment. "X." (114/13), Office of this Paper.

**Q**UALIFIED (27), experienced, desires post as Branch Manager or Dispenser; Liverpool or district preferred. "Rhei" (115/10), Office of this Paper.

**Q**UALIFIED; elderly; single; good-class experience; reasonable hours; moderate salary; London. 115/8, Office of this Paper.

**Q**UALIFIED Manager; large experience; ineligible; sober, reliable; now at liberty; London or country; outdoors; married. Apply, 115/4, Office of this Paper.

**Q**UALIFIED; over military age; good all-round experience; £ salary £4 10s. weekly; London preferred. 114/35, Office of this Paper.

**Q**UALIFIED Manager at once, outdoors, for West-End Pharmacy. State salary and references, abstainer preferred, to 116/21, Office of this Paper.

**Q**UALIFIED Chemist; 25; ineligible; high-class experience, 2½ years present position; Birmingham preferred. Parkin, 513 Belchers Lane, Little Bromwich, Birmingham.

**Q**UALIFIED (26), ineligible for legal reasons, desires engagement in a West-End shop; well up in Dispensing and experienced Salesman, speaking several languages and having excellent references; can commence any time. Please state hours and salary, "Chemist," 9 Colville Street, Nottingham.

**Q**UALIFIED, good Counterman, ineligible, active, seeks permanency; Manager or Assistant; good Extractor. 14/550, Office of this Paper.

**S**TUDENT (Colonial) desires, immediately, during vacation, Dispensing for about a month. 114/8, Office of this Paper.

**T**EMPORARY; 28; ineligible; Dispensing and all-round experience. "Locum," "Normanhurst," Heston Road, Hounslow, Middlesex.

**T**HOROUGHLY competent Assistant; unqualified; discharged; permanency; 10 years' experience; tall; capable Managing Branch; disengaged; married. State salary, Swann, 26 Hamilton Road, Salisbury.

**U**NQUALIFIED; 28; married; 6 years own business; thoroughly reliable, hard worker, and good appearance; outdoors; would manage small Branch, Drug Stores. Reply, "M. G." (13/190), Office of this Paper.

**U**NQUALIFIED (23), Dispensing and Counter, 8 years' experience, passed for sedentary work, desires change; good references; abstainer. 114/14, Office of this Paper.

**U**NQUALIFIED Assistant (46), married, desires change; Bath or Weston-super-Mare preferred; high-class Dispensing, Counter, and Photography. Apply, stating salary, hours, etc., 116/8, Office of this Paper.

**U**NQUALIFIED Assistant; 27; high-class City business; short hours. Apply, stating salary, to 114/39, Office of this Paper.

## WHOLESALE.

**A**BOUT October, Representative; high-class connection; salary and expenses. "P. H. C." (116/3), Office of this Paper.

**A**DVERTISER; disengaged shortly; 21 years with large firm importing Dyes and Pharmaceuticals from the Continent, the last 10 years in charge Pharmaceutical Department; capable of controlling Correspondence and general inside Management. 112/37, Office of this Paper.

**E**XPERIENCED Traveller of many years' standing, above military age, well known to Doctors and Chemists from Plymouth to Manchester, desires to Represent good House on part or whole of that ground. Replies to "Experienced" (113/7), Office of this Paper.

**P**ERMANENCY required; London or provincial; 14 years' experience as Traveller, also as Buyer, Surgical and Veterinary Instruments, Hospital requirements, Druggists' Sundries, etc.; thorough knowledge French, some Spanish. Write, "Surgical" (118/1), Office of this Paper.

**P**HARMACEUTICAL, Toilet, Perfumery, and Chemicals, etc.—Practical man (27), ineligible, 11 years' experience, capable supervisor, desires permanency. 115/16, Office of this Paper.

**T**RAVELLER; disengaged; Retail and Travelling experience; Scotland or Midlands preferred. 115/31, Office of this Paper.

**T**RAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with Chemists, Stores, Institutions, and general; intimate knowledge Drug, Sundries, Essence, Disinfectant, etc., trades; first-class references; ineligible Army; disengaged, 115/24, Office of this Paper.

**Y**OUNG unqualified gentleman (28), married, just disposed of own business, seeks berth as Traveller or Representative; energetic, hard worker, and very tactful. Reply, "S.M." (13/19), Office of this Paper.

## MISCELLANEOUS.

**SHOP FITTINGS.**—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

**SECOND-HAND** Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.O.

FOR Sale, about 120 lb. pure Pot. Permanganate, small crystals, F. whole or part, 7s. 2d. per lb.; also quantity sundries, including 40 lb. Ol. Cassia, Eucalypt., 11 lb. Wintergreen, 5 lb. Lemon, 7½ lb. Sassafras, and some Bottles, etc., etc., cheap. 110/11, Office of this Paper.

WHITE Cartons (enamelled), in stock, 60,000 Cartons measuring 4½ in. long, 3½ in. wide, and 1½ in. deep; price 27s. 6d. per 1,000. Sample on application to "Santo," 4 Stonecutter Street, London, E.C.

CHEMIST'S good second-hand 12-ft. Mahogany Drug Fitting, 6 ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case, 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot £45; bargain; cheapest house for Window Enclosures, Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills, Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. Phone London Wall 550.

### About 90 gross Plain Round Tin Boxes.

A quantity for Sale. Two sizes, 1½ oz., and 400 gross 2 oz. capacity, suitable for powders, vaseline, etc.

Also about 90 gross 1d. size Glass Bottles, oval shape, ½ oz. capacity. Prices and samples on application. Apply, 8/8, Office of this Paper.

## BUSINESS OPPORTUNITIES.

An Advertising man of acknowledged reputation and capacity, a forcible writer, good organiser, able and resourceful, with a striking record of success in the developing of advertising propositions, is prepared to co-operate with a substantial business man in some promising undertaking on mutual terms. Address CO-OPERATE, 8 Mortimer St., Regent St., London.

8/6 3 Years 4 Columns 3 LBS.	Jay Mack's Ledger gives Retailer essential details only; simple methods; short cuts. 10 minutes' work per week. Foreign Parcel Post all extra over first 6d.	10/6 4 Years 5 Columns 5 LBS.
AUSTRALIA— "C & D"; Melbourne. Elliot's; Sydney.	LONDON— Evans' Export Dept.	S. AFRICA— Porder Drugs Gardners' Port Elizabeth.

## DOUBLE THE RETURNS

of your DEVELOPING and PRINTING department by having the work done in the very best style at lowest prices, and returned to you 9 hours after we receive it. We are expert specialists. Send for our list and specimen of our work, and then give us a trial—we pay return carriage.

STEAD & CO., Photographic Experts, Duke St., BRICKTON.

## BOTTLES.

I have in stock for IMMEDIATE delivery, 127 gross ROUND, 309 gross MEXICAN FLAT, 91 gross HAZELIN FLAT, 161 gross SPANISH FLAT, 24 gross NORTH AMERICAN FLAT. All Best WHITE Flint glass in various capacities from 15 to 1000 Grammes, and a quantity of STOPPERED JARS.

Prices and all particulars on receipt of genuine inquiries.  
HUGH MOUNTAIN, 104 High Holborn, London, W.C.

## WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see Supplement for July 8, p. xxviii.

### WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

### THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Bromural powder or tablets Luminal (Merck), 3 oz. (116/16) original (117/22)  
Eserine sulphate, grammes tubes (110/1)

### FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Agurin, 2 oz. (109/40)	Phenacetin (114/12)
Airol, 1 oz. (109/40)	Phenazonium (114/12)
Aristochin, 10 grm. (109/40)	Piperazine, 2 oz. (109/40)
Aristol, 1 oz. (109/40)	Resorcin (114/12)
Bismuth salicylas. (114/12)	Salipyrins, 2 tubes (109/40)
Cocain hydrochlor. (114/12)	Salophen, 2 oz. (109/40)
Dermatol, 3 oz. (109/40)	Spirosal, 5 oz. (109/40)
Euphenol, 2 oz. (109/40)	Styrcosal tablets (109/40)
Guaiacol carb. (114/12)	Xeroform, 3 oz. (109/40)
Marienbad tablets, 4 boxes (109/40)	

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.  
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

### FOR DISPOSAL.

#### SHOP FITTINGS.

SHOW jar, fig. 3 May Roberts, 36 in. with stand; good condition. Byrne, Chemist, Arklow.

#### DRUGS AND CHEMICALS.

ANILINE dyes, about 1 lb. assorted, principally black, brown, pink. Offers, Furnivall, Chemist, Cardiff.  
10 doz. 16-oz. C.L.O. emulsion (Norwegian), A. & H., 20s. doz. carriage paid. Williams, 31 Heath Street, Hampstead.

### WANTED.

WANTED, sifter and mixer. State price, size, etc., 93 Gresham Street, E.C.

WANTED, pollantin powder, immediately. Price and quantity to Rushton, Hall Green Parade, Birmingham.

WANTED, Eureka tablet machine; good condition. State lowest price. "Punches," 46 Cumberland Road, Acton.

SOAP-MILLING plant, small, wanted, with plodder; condition immaterial if cheap. Particulars, price, etc., Fram Co., Ltd., Ellis Street, Birmingham.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

TIN boxes, wanted to purchase, any quantity, all kinds, for labelling over; good prices offered for shaving-stick boxes; large quantities all kinds bought. Fram Co., Ltd., Ellis Street, Birmingham.

WANTED, back volumes and numbers of "Chemist and Druggist," "Chemical News," "Chemical Society Journal," "The Analyst," and others; must be cheap. Offers, 112/8, Office of this Paper.

# FORD, SHAPLAND & CO.

PRINTERS

We have specialised in  
Chemists' and Druggists' Printing for  
over 70 years. We have built up and maintained  
our reputation on quality and despatch. If you want

## QUALITY PRINTING

send us your enquiries and we will submit suggestions  
and quotations. A few of our specialities are Labels,  
Cartons, Envelopes, Fine Art Show Cards,  
Dental and Optical Circulars, etc.

Agents for  
Registration of Trade Marks.

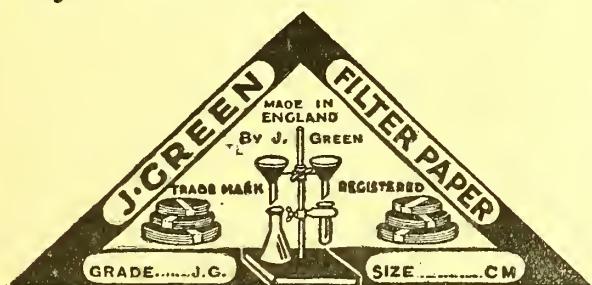
GREAT TURNSTILE, HIGH HOLBORN  
LONDON  
TEL. 65, CITY. TELEGRAMS 'FORSHAPCO'  
WESTCENT, LONDON

J. BARCHAM GREEN & SON,  
Hayle Mill - Maidstone, Kent.

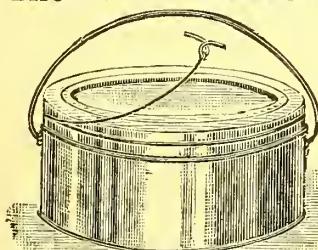
Makers of Filter Papers to replace the  
German Nos. 595, 597, 598, 602, 604, etc.  
also

Soxhlet Thimbles,  
Drying Trays,  
Drop Reaction Papers,  
Filter Pulp, etc.

Samples and Price Lists can be obtained  
from the principal Laboratory Furnishers.



The Northern Tin Canister Works,  
6 Mersey Street,  
LIVERPOOL.



We manufacture for  
the paint trade in all its  
branches—Decorated and  
Plain work.

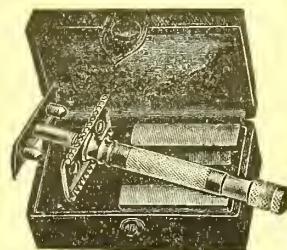
TIGHT SEAMING &  
VARNISH BOTTLES  
A SPECIALITY.

Patent Air Tight Slip-lid Tin  
for Export.

Prompt Deliveries Assured.

## SAFETY RAZORS

Complete Outfits,  
8/6 to 36/- Doz.



SAFETY  
RAZOR BLADES,  
4/6 to 14/6  
per Gross.

Wholesale trade only supplied.

HAMMETT'S, Manufacturers, 422 MARE STREET, London, N.E.

**FREDK. FINK & CO.,**

10 &amp; 11 MINCING LANE, LONDON, E.C.

**SPECIALITIES.**—Gums Arabic and Tragacanth as imported or finely powdered.**LEVERS**for PACKED TOOTH POWDERS  
TOILET PREPARATIONS &  
OINTMENTS in all sizes.WHOLESALE AND SHIPPING. Send for  
Samples and Prices to—  
LEVERS, Lever Works, Moreton St., MANCHESTER.**SPONGE BAGS. BATHING CAPS.  
WASHING GLOVES.**

Write for prices to

**THE GALEN MANFG. CO., Ltd.**  
Wilson St., New Cross, London, S.E.**TOBACCO! CIGARS! CIGARETTES!**Every known Brand at Manufacturer's own List  
Prices. Endless variety of Tobacconists' Fancy  
Goods & Shop Fittings. The Trade only supplied  
Opening orders a Speciality. Send for Price List.SINGLETON & COLE, LTD., Cannon Street, BIRMINGHAM  
AND BRANCHES.**CACHETS "FINOT"**  
(White or Coloured).With inscriptions in any desired  
tint; also Plain or Embossed.  
"Beautifully made, and the inscriptions give them  
a distinction all their own."—C. & D.  
"Perfection of Cachets."—*Lancet*.These Cachets are especially adapted for Headache, Neuralgia and other powders  
COOPER, SON & CO., LTD., 80 Gloucester Road, SOUTH KENSINGTON.  
In Ten Sizes. Also supplied to fit existing machines.**Van Horn and Sawtell**  
—LONDON AND NEW YORK—  
MAKERS OF  
**"K-Y" LUBRICATING JELLY**  
IN COLLAPSIBLE TUBES AND OF  
"Van Horn" Sterile Sutures and Ligatures  
IN GLASS TUBES — PRICES ON APPLICATION

81-83 HIGH HOLBORN, W.C.

**SANITARY FLUIDS**

CO-EFFICIENT 3, 12, and 18/20.

Low quotations for barrel lots and upwards.  
C. A. STOKES & CO. Ltd., 31/35 Lower Castle Street, BRISTOL.**TEETH**Highest Quality Porcelain  
Sample set of 28 Diatorics 2/6. Set of 6 Pin Teeth 1/6  
EASTERN DENTAL MFG. CO. Ltd., East Molesey, Surrey**PRECIPITATED CHALK.**

Lightest and Whitest, also Purest Dense.

APPLY TO  
**AUG. LEVERMORE & CO. Ltd.,** 8-10 Ct. St. Helens,  
LONDON, E.C.  
Telegrams "LEVERMORE LONDON." Telephone 4613 Central.**DISINFECTANTS  
OF ALL KINDS**

Cheapest Makers of Co-efficient Acids and Fluids.

**HENRY ELLISON, LTD., CLECKHEATON, YORKS****FORMALDEHYDE 40%  
LACTIC ACID.**WHOLESALE. FOR SPOT DELIVERY.  
Harry Heymann, 5 Union Street, Bradford.**JOHN E. RAWORTH**CHARTERED PATENT AGENT,  
PATENTS, TRADE MARKS AND DESIGNS.  
THE  
OLD MANSION HOUSE, and QUEEN ANNE'S CHAMBERS,  
73 Cheapside, E.C. WESTMINSTER, S.W.**CACHETS "PELTOT"**ALL SIZES 2/6 per 1000 PLAIN OR  
EMBOSSEDCarriage Paid on orders of 5000. Write for Samples.  
Sole Agent CICERO S. CLARK, Pharmacie Française, 12 Richmond Rd.,  
WESTBOURNE GROVE, LONDON, W.**ANILINE DYES**  
FOR FOOD STUFFS, ETC.

Lowest Prices for Egg Yellow, etc.

J. & T. HOYLE & CO.,  
312 Deansgate, Manchester.**CARBON PAPERS.**Typewriter Carbon Paper. 1,000 boxes to be sold  
immediately, at 3/9 per box of 100 sheets, quarto or  
foolscap, carriage paid. OFFER CANNOT BE  
REPEATED; ORDER AT ONCE. SAMPLES FREE.B. PODMORE & CO., Typewriter Dealers, SOUTHPORT.  
RIBBONS FOR ALL MAKES OF TYPEWRITERS.**ANGLO - RUSSIAN INDUSTRIAL AND  
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6 ELDON STREET, LONDON, E.C.IMPORTERS OF  
RUSSIAN CANTHARIDES, ERGOT OF  
RYE, LYCOPODIUM, SEEDS, and all Medicinal  
Grasses.



**SHADEINE**  
FOR COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.

**TRIAL BOTTLES** 6d. size, supplied on  
4/6 doz.; 1/- size, 10/- doz.; 3/6 size 30/- doz.

THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

**BURROWS** "ALPHA BRAND"  
**MALVERN**  
**WATERS**

PROTECTION FROM TYPHOID

Address:  
W. & J.  
Burrow,  
Springs,  
Malvern.



**Radium Bath Salt.**

A week's Radium Treatment for Rheumatism, Neuralgia, Insomnia &c.

In your own Bathroom, for 5/9 33½% to the Trade.

Descriptive Booklet and information as to further Radium preparations from

**RADIUM SALT COMPANY, Ltd.**  
Telephone— 21 Farringdon Ave., LONDON, E.C.

**GOOD LINES FOR CHEMISTS.**

HONEYS in ½ lbs., 1 lbs., and 1 lbs  
LEMON CURD (made with pure butter), in 12 oz.,  
6 oz., and 3 oz.

BETSWAX, 48, 32, 16, 8, and 2 to the lb. (avoirdupois),  
A. GORDON ROWE, 28a Moy Rd., CARDIFF.

Price Lists on Application.

**SURGICAL RUBBER & VULCANITE Goods** of every description.

Douche Fittings, Douche Tubing, Syringes, Teats, &c.

**HIGGIN, Ltd.**  
265 DEANSGATE, Manchester.

**INVESTIGATE**  
The Py-Shan Points Co-operative Sales plan—we think it will interest you. It has a regular weekly sale, gives 5d. per lb., profit, and sales are confined to chemists. Just a card for particulars now to CHRISTYS, OLD SWAN LANE, E.C.

Wholesale **ALL BRITISH** Only.

**CRÊPE BANDAGES.**

In various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich, who are acknowledged to be the only manufacturers in Great Britain.

**PRELIMINARY EXAMINATION for PHARMACEUTICAL STUDENTS**

The College of Preceptors holds Preliminary Examinations in March, June, September, and December. All the Examinations are held in London, Aberdeen, Birmingham, Blackburn, Bristol, Cardiff, Edinburgh, Glasgow, Leeds, Liverpool, Manchester, Newcastle-on-Tyne, and Nottingham. For the June and December Examinations, there are other entries, including Blackpool, Brighton, Carmarthen, Cheltenham, Croydon, Exeter, Margate, Plymouth, Portsmouth, Sheffield, Southampton, Southend, Southport, Sunderland, Weston-super-Mare, and York. For Regulations apply to the Secretary, College of Preceptors, Bloomsbury Square, London, W.C.

# "MASTER" ANTI-RHEUMATIC RINGS

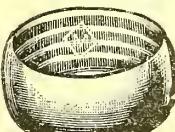
**PROFITABLE SIDE LINE FOR CHEMISTS**

**NO LICENCE IS REQUIRED FOR THE SALE OF THESE RINGS.**

MAY BE WORN  
ON  
ANY FINGER.



NO. 1501.  
ORDINARY WIDTH.



NO. 1502.  
BELCHER SHAPE.



NO. 1503.  
CHASED.

RETAIN THEIR  
POWER FOR ANY  
LENGTH OF TIME.

COVERED IN ROLLED GOLD.		9-CARAT GOLD, STAMPED.		15-CARAT GOLD, STAMPED.	
Retail Price.	Trade Price.	Each.	Each.	Each.	Each.
		s. d.	s. d.	s. d.	s. d.
No. 1501	...	4 6	2 6	7 6	4 6
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5 per cent. discount allowed for prompt cash off above prices.

Booklets with full descriptive matter, also regulation size measurement cards, supplied gratis.

We are the right House for BRITISH-MADE GOODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheetings, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE.

OUR GOODS ARE RIGHT.

MONEY BACK IF NOT SATISFIED.

**BURGE, WARREN & RIDGLEY, LTD.,**  
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

# The Best of all Fly Catchers



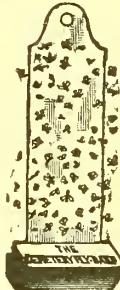
## TUNBRIDGE & WRIGHT'S Fly Cemetery

The original and best of all Sticky Fly Papers, 6/- per gross net, carriage paid. Cash with order.



## TUNBRIDGE & WRIGHT'S Cemetery Fly Tape

Very neat, simple, and efficacious, 7/6 per gross net, carriage paid. Two gross lots and up 7/- per gross, carriage paid. Cash with order.



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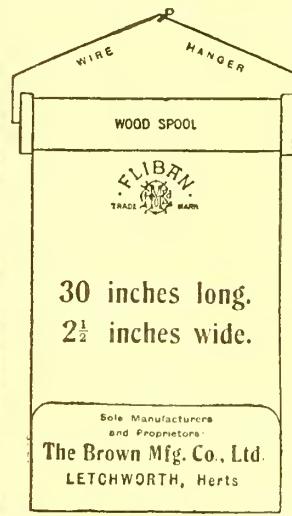
The neatest, simplest, and cleanest of all band catchers. Packed in boxes containing three dozen. 8/- per gross net, carriage paid. Cash with order.

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London Depot—46 FARRINGDON STREET, E.C.  
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Telegrams: "FLIES READING." Telephone: 496 Reading.

# BROWN'S FAMOUS 'FLIBAN'

## "THE DEADLY HOUSE FLY."



THE BROWN MANUFACTURING CO., Ltd.  
LETCHWORTH, HERTS, ENG.

## REAL FLYCATCHERS!

### THE "FLYSAC"

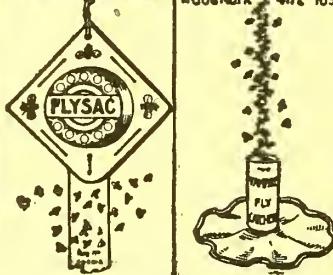
Reg. Trade Mark  
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### THE "VAMPIRE"

Reg. Trade Mark  
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Reg. Trade Mark  
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Prompt Deliveries! Big Profits!  
Quick Returns!

## NO EXPERIMENT, BUT A PROVED SUCCESS.

WELL MADE AND WELL ADVERTISED.  
Send for Samples. They bear out our claims.

SOLE MAKERS AND PATENTEES:  
**KAY BROTHERS, Ltd., Stockport.**

Nat. Tel. 247. Telegrams: "KAY STOCKPORT." (1)  
(30 years' experience in the manufacture of Birdlimes and Flygums.)



CHRISTY  
STRONG'S

## "COBWEB" & "GRIP" FLY PAPERS

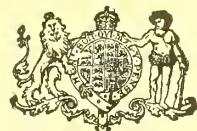
Per Gross 6/- Carriage Paid.

The "Strong" Fly String  
8/- Per Gross.

Postal Address:

115 CHATHAM STREET,  
READING.

Telegraphic Address: "STRONG READING."



### By Royal Warrant

To H.M. To H.M.  
King George V. Queen Alexandra.

*Holders of Royal Warrants during three successive Reigns.*



**Jeyes' Fluid**—Best and Safest Disinfectant.

**Cylin**—**Jeyes' Special Fluid.** The relatively non-poisonous Bactericide.

**Cylin Medical**—A refined preparation of Cylin.

**Jeysol**—Identical in composition with original German Lysol, and equally efficient.

**Jeyes' Parasitic Soap**—For destroying all body parasites in the trenches.

**Jeyes' "Cylin" Toilet Soap**—Invaluable for promoting a healthy skin.

**Senalia**—Delicately perfumed tablets. "The Queen of Toilet Soaps."

**Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon St., London, E.C.**

**THE DOOMO AIRSHIP FLY BAND**  
A wide band sticky on both sides, unrolling like a blind.  
Proprietors of FLYODOOMO—the old Favourite Fly Paper.

**Jno. H. Smith & Co.**  
NEWARK-ON-TRENT.

**"ELLEMM"**  
BRAND  
WHIRLING SPRAYS,  
ENEMAS,  
HOUSEHOLD RUBBER GOODS,  
SEAMLESS RUBBER GOODS, &c.  
LEONARD MORRIS  
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T.A.: "Ellemm." T.N.: 1097 Central.

The BEST VALUE on the MARKET.

FOR STATUS INQUIRIES, COLLECTION OF ACCOUNTS, AND INVESTIGATIONS,  
**Join The Association of Manufacturing Chemists, Ltd.**

which is **THE MEDIUM** for the **TRADE**,  
**PROSPECTUS** ON **APPLICATION**.

**PARKIN S. BOOTH,**  
Accountant to the Association of Manufacturing Chemists, Ltd.,  
(for the Protection of the Drug, Chemical and Allied Trades),  
**32 KIMBERLEY HOUSE, HOLBORN VIADUCT, E.C.**  
Telephone: City 6942,  
**Or 35, 36 & 37 EXCHANGE CHAMBERS,**  
**— 2 BIXTEETH STREET, LIVERPOOL.**  
Telephone: Central 8365 (4 lines).

# The New Military Law

The New Military Law, which came into force on June 24th, 1916, automatically makes all men from the ages of 18 years to 41 years into a soldier, unless special exemption has been given or an appeal pending.

Patriotism demands that all trades, not specially engaged in direct munitions of warfare, should relinquish as many of their staff of workmen as it is possible for them to release.

Although many trades under this arrangement are heavily affected, and ours is one of these unfortunate ones, we nevertheless, as sensible people, realize it is our duty to do all we can to assist the Military Authorities to prosecute with the uttermost rigidity that policy which will bring this terrible War to a successful issue.

At the same time, we, as a trade, are sacrificing both men and opportunity for the National welfare, we also must not forget that those left at home ought to their best ability endeavour to keep the Flag flying, and help to maintain the standard of efficiency of the trade or profession they represent until the Boys come home.

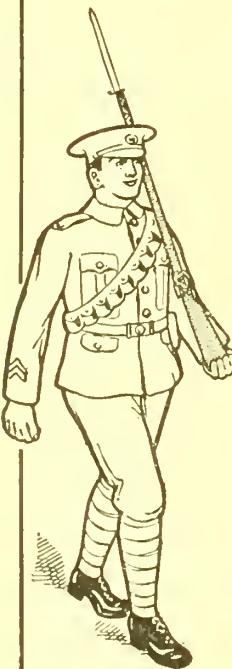
Practical Chemists and Printers are categorically in the same position, and it must follow that in their own interests there should be unity of action. The enterprising Chemist should patronise the up-to-date Printer in a business-like manner, so that his many Specialities, Drugs, Chemicals, and Sundry Articles can be most suitably advertised, and attractively placed before the public.

We have many years of experience in this particular line, and are at all times ready and anxious to give those who require it the benefit of that experience.

Let us help one another, and by this endeavour we shall be giving the public our best, and in return secure those "Silver Bullets" which are beneficial both to our interests and the War Loan.

Send 6d. for Samples,

Full Set of Samples to Colonies charged 10/6, which we credit if order is placed for £5 and upwards.



**Thomas Waide & Sons**  
Chemists' Printers,  
KIRKSTALL ROAD, LEEDS.

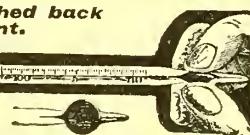
## ZEAL'S REGISTERED Clinical Thermometer The "REPELLO"

Requires no shaking down. Guaranteed Accurate.

A 30-Second Pushed back  
in an instant.

Good  
Selling  
Lines for  
Chemists

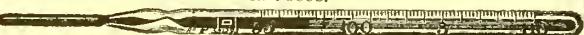
Showing flattened  
bulb at end.



### NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying Clinical Thermometer on the Market.

IN FOCUS.



The square mark engraved on lens front locates the Mercury Column immediately.

SPECIAL AWARD AND GOLD MEDAL, NEW ZEALAND, 1907.  
SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

**G. H. ZEAL, 82 Turnmill St., LONDON, E.C.**

Wholesale Manufacturer of

### CLINICAL THERMOMETERS.

A SELECTION OF 50 KINDS.

Established 1888.

LIST POST FREE.

Telephone No.  
12438 Central.

*Near the British Museum.*

### KINGSLEY HOTEL

HART STREET, BLOOMSBURY SQUARE, LONDON.

*Opposite the British Museum.*

### THACKERAY HOTEL

GREAT RUSSELL STREET, LONDON.

These well-appointed and commodious TEMPERANCE HOTELS have Passenger Lifts, Bath Rooms on every floor, Lounges and spacious Dining, Drawing, Writing, Reading Billiard and Smoking Rooms.

Perfect Sanitation. Fireproof Floors. Telephones. Night Porters. BEDROOM, BREAKFAST, ATTENDANCE AND BATH, PER NIGHT PER PERSON - - 6/6

Full Tariff and Testimonials on application.

TELEGRAPHIC ADDRESSES { "Kingsley Hotel," "Thackeray Hotel," Telephones: Museum 1232, Museum 1230.

### DISPENSING BOTTLES & PHIALS.

**CLEAR BLUE TINTED.**—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.

Plain or graduated.

**BEST QUININE, TINTED.**—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.

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#### Insets for our Summer Issue.

We would remind business houses that the Summer Issue of THE CHEMIST AND DRUGGIST will be published in the week ending July 29, and that they have still the opportunity to arrange with our Publisher for the insertion of circulars or price-lists in the issue as Insets. They should telegraph, telephone, or write to him about the matter without delay.

## Coming Events.

#### Sunday July 16.

Manchester Chemists' Assistants' Association, Exchange Station, at 10 A.M. Ramble to Greenfield, Chew Valley, etc.

Pharmacists' Volunteer Training Corps, Millbank Schools, Erasmus Street, Westminster, S.W., at 9.30 A.M. Staff parade, followed by company parade, at 11 A.M. The bacteriology classes will be held on July 19, 20, and 22 as usual.

#### Wednesday, July 19.

National Association of Opticians, Albion Hotel, Piccadilly, Manchester. At 2 P.M. annual meeting.

Society of Chemical Industry, Hall of the University Union, Teviot Place, Edinburgh. Annual meeting, which will be continued on July 20 and 21.

"SCRIPT" SHOOTING TOURNAMENT.—Mr. W. C. Sayers, Ph.C., 63 High Street, Lewisham, S.E., is anxious that the South-Eastern Pharmacists' Association should be represented at the "Script" Sports Club Shooting Tournament. He asks those interested in the matter to send him a postcard or telephone to him (Lee Green 1195).

## European War News.

#### Enemy Business to be Wound Up.

By order of the Board of Trade (gazetted July 7): E. Merck, 66 Crutched Friars, London, E.C., chemical manufacturer. Controller, B. D. Holroyd, 6 Great Winchester Street, London, E.C.

#### Prohibited Exports and Imports.

FEDERATED MALAY STATES.—By order dated May 16, 1916, the following additions have been made to the list of articles the exportation of which is prohibited:

A. To all destinations other than the United Kingdom, British Possessions and Protectorates: Chemicals, drugs, etc.—guaiacol, and guaiacol carbonate, senna leaves and pods, stramonium leaves and seeds, gum tragacanth, hypodermic syringes.

B. To all foreign countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic Ports), Italy, Spain, and Portugal: Spices of all kinds, other than pepper, but including pimento; starch, including dextrin, farina, and potato flour; gums, resins, balsams, and resinous substances of all kinds, except gum tragacanth (see above).

GERMANY.—The exportation of calcium carbonate, of crude and burnt dolomite, and of lime and quicklime and mortar from Germany is prohibited. Importation of carbonate of ammonia over German frontiers is prohibited.

NETHERLANDS.—According to a Royal Decree of May 20 the exportation of whale oil and olive oil from the Netherlands is prohibited.

#### Personal.

PRIVATE J. C. NORMINGTON, R.A.M.C., who was with Mackay & Son, chemists and druggists, Bradford, has been wounded in France.

PRIVATE EDWARD LIGHTBOWN, Royal Fusiliers, formerly with Mr. John Laurie, pharmacist, of Blackpool, was, in a recent action, hit by shrapnel in three places in the back between the shoulders.

SECOND-LIEUTENANT J. G. KIRKUP, Northumberland Fusiliers, only son of Mr. G. J. Kirkup, chemist and druggist, Westmorland Road, Newcastle-on-Tyne, has been severely wounded in the left thigh.

CAPTAIN VICTOR O. ROBINSON, of the Sherwood Foresters, son of the late W. B. Robinson, and director of Wm. Robinson & Sons, Ltd., Chesterfield, has been wounded in the foot, and is in a rest billet in France. He holds the Military Cross.

SECOND-LIEUTENANT B. D. WILLIAMS, Monmouthshire Regiment (eldest son of Mr. John Williams, South Wales representative of Evans Sons Lescher & Webb, Ltd.), was wounded in a recent engagement, and is now in a Manchester hospital.

The late Lieutenant W. H. Jowett, whose death was reported in the *C. & D.* last week, p. 40, had no connection with the firm T. A. Ward & Co., Ltd., Blackburn, which is quite distinct from Clayton & Jowett, Ltd., Liverpool and Blackburn. He and his twin brother, Lieutenant J. S. Jowett, were born in March, 1894.

#### Contraband Goods.

The following continues the gazetted list of drug-trade goods which have been seized under the Customs law as being of suspected origin. The nature of the goods is first mentioned, then the consignors (1), and the consignees (2):

Florida-water.—(1) E. Stephensen, Copenhagen; (2) R. Resupi & Co., Maningalls (Col.).

Fluoroform.—(1) Wessoe, Copenhagen; (2) Thebar & Galapito, Lisbon.

Glass Ampoules.—(1) A. Larsen, Copenhagen; (2) Juan M. V. Rossouw, Buenos Aires.

Glass Bottles.—(1) L. Rogen, Copenhagen; (2) J. Burmeister, Lisbon.

Glass Tubes.—(1) Becker & Sons, Brummen; (2) F. Roemer & Co., Soctres, Mexico.

Hair-dyes.—(1) Madsen & Wivel, Copenhagen; (2) Portabales y Gorostiaga, Bilbao.

Hair-lotion.—(1) Madsen & Wivel, Copenhagen; (2) Sociedad Anonima, Barcelona.

Hair-tonic.—(1) Wessoe, Copenhagen; (2) C. L. L. de Laienas, Calderas, Chile.

Odol.—(1) E. Stephensen, Copenhagen; (2) M. A. Belloso & Hno, Bolicannaver, Maracaibo; L. C. Mayo Botica, Protectora, Carupana, Venezuela; G. Braude & Co., Caracas.

Opium Preparations (net 82 lb.).—(1) F. Hoffmann, La Roche & Co., Bâle; (2) H. B. Kuyken, Amsterdam.

Optical Articles.—(1) Brasch & Rothenstein, Rotterdam; (2) L. Siene, San Jose; J. Dietz, Cuezaltenango, Guatemala.

Optical Goods.—(1) V. Anderson and A. Larsen, Copenhagen; (2) H. G. Lubrain, Buenos Aires; J. Manipoy, Buenos Aires.

(To be continued.)

## Miscellaneous.

ENEMY PATENTS.—Mr. E. J. Smith, Chemical-works, Disraeli Road, Willesden, London, N.W., is applying for the use of the Billiter patent 11693/10 dealing with the electrolysis of liquids.

LIEUTENANT-COLONEL GUY STEPHEN, R.A.M.C., sub-editor of the "British Medical Journal," has been mentioned in the Despatches of General Sir Douglas Haig, the Commander-in-Chief of the British Forces in France, for gallant and distinguished conduct in the field.

DISPENSERS FOR MESOPOTAMIA.—"Truth" supports our criticism of the official action in this matter, adding as regards the treatment of pharmacists in the R.A.M.C., "It is not only unfair, but stupid in the extreme. That such an appeal should be made at all shows an utter lack of any intelligent system of organisation to enable men to be used to the best advantage." Our contemporary asks Mr. Lloyd George to look into the matter.

COVERINGS FOR GOODS.—The Director of the War Trade Department, 4 Central Buildings, Westminster, S.W., desires to bring to the notice of exporters of goods the fact that in accordance with the Order of Council of June 28, 1916, the export of all "bags, wrappers, or sacks made of jute, other than any such bags, wrappers or sacks as constitute the coverings of goods to be shipped for exportation, and are allowed by the Commissioners of Customs and Excise to be shipped as such coverings," is prohibited to all destinations on and after July 17, 1916. This prohibition applies to jute coverings for goods of every description, and exporters licensed to export jute goods of any kind should obtain copies of the guarantee forms provided by the Department.

## Military Tribunals' Decisions.

The following are further cases of trade interest which have been heard by local Military Tribunals:

BATH.—Three months' exemption was granted to Mr. Edward Williams, with Davies & John, chemists and druggists.

ILMINGTON.—Mr. H. J. Parsons, chemist and druggist, points out that it was not he who was refused exemption (*C. & D.*, July 8, p. 34), but his assistant, on whose behalf Mr. Parsons appealed.

LONDON (CITY).—Scott & Bowne, Ltd., manufacturing chemists, 10 Stonecutter Street, E.C., on July 10 applied for the exemption of J. Clark and H. H. Jennery. Eventually the case of Clark was withdrawn, and that of Jennery was postponed for three months, on condition that he became a member of a Volunteer Corps.

SOUTHWARK.—Stevenson & Howell, Ltd., manufacturing chemists, Standard Works, 95a Southwark Street, S.E., applied for the exemption of Mr. V. J. Tilley, F.I.C., F.C.S., their works chemist. He was exempted as being in certified occupations.—R. W. Goold & Co., fertiliser manufacturers and tar-distillers, 35-37 Hop Exchange, Borough, S.E., applied for the exemption of their clerk, who, it was stated, acted as a chemist. Three months' extension was granted conditional on joining the Volunteer Training Corps.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," July 5, 1916.)  
 "LAITOVA"; for food-substances (42). By Sutcliffe & Bingham, Ltd., Ogden Street, Cornbrook, Manchester. 373,003. (Associated.)  
 "JEFOLENE"; for all goods (42). By Bigland, Sons & Jeffreys, 11 and 13 Rumford Street, Liverpool. 373,230.  
 "JOYLAND"; for all goods (42). By Grischotti & Co., Ltd., 141 West George Street, Glasgow. 373,290.  
 "EMPERADOR"; for eau de Cologne (48). By T. Christy & Co., 4 Old Swan Lane, E.C. 372,741.  
 "RODELLE," "REUDOL," "RUDAL," and "ADROLIN"; for perfumery, etc. (48). By Tokalon, Ltd., 212 Great Portland Street, London, W. 372,922/23/24, 373,343. (Associated.)

Heart-shaped device with words "HEART BRAND"; for perfumes (48). By Duckworth & Co., Chester Road, Manchester. 372,960. (Associated.)

"ACETO"; for soya-bean oil (4). By the Anglo-Chinese Eastern Trading Co., Ltd., 17 Fenchurch Street, E.C. 372,985.

"COAGULEN-CIBA," for a haemostyptic (3); "JODIPEROL," "SECALOPAX," and "STREPTOCHIN," for all goods (3). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle. 372,474 (Associated). 373,363/64/65.

## English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

## "A Dangerous Drug."

This is the title given by "The Times" on July 13 to a short editorial article, which is as follows:

"The use of cocaine as an analgesic is of the utmost value in medical and dental science; but cocaine is a very dangerous drug which no one should dream of taking without a doctor's prescription. The moral and physical effects of its abuse are inevitable and disastrous. The experience of other countries shows that it is probably impossible to prevent its getting into the hands of unauthorised persons for sale; but its present abuse, which, we have evidence, is serious and increasing, must be checked in the interests both of its victims and of the State. The law, as it stands at present, is inadequate. What is wanted is an extension of the Defence of the Realm Acts, giving a right of search and making it an offence punishable with a substantial term of imprisonment, without the option of a fine, for any unauthorised person to be in possession of cocaine. By this means, and only by this means we believe, a grave menace can be removed. We trust that the Government will act at once."

This reflects our contemporary's medical correspondent's opinions. The matter is one for the Pharmaceutical Societies to look after.

## Sale of Medicated Wines and Spirituous Medicines.

The following regulations were gazetted on July 7:

We, the Central Control Board (Liquor Traffic), in pursuance of the powers conferred upon us by the Acts and Regulations relating to the Defence of the Realm, hereby make the following general order:

## Areas to which the Order Applies.

1. This Order shall apply to all areas to which the Defence of the Realm (Liquor Control) Regulations, 1915, have been applied.

## Additional Conditions as to the Sale of Medicated Wines.

2. On and after the seventh day of August, 1916, no person shall either by himself or by any servant or agent sell or supply to any person in any licensed premises for consumption off the premises or dispatch therefrom any intoxicating liquor in the form of or prepared as (a) medicated wine or (b) any mixture or preparation which contains any drug or medicament or is sold or advertised for sale as containing or purporting to contain medicinal properties except in a bottle or other vessel bearing a label correctly stating in clear and legible words or figures the amount of proof spirit contained in such medicated wine or mixture or preparation. Provided always that nothing herein shall be deemed to affect the sale of—

(a) Any medicine mixture or preparation appearing in the British Pharmacopoeia or the British Pharmaceutical Codex; or

(b) Any medicine mixture or preparation which is made up for a customer on the signed prescription of a medical practitioner; or

(c) Medicated or methylated spirits or spirits made up in medicine and sold by medical practitioners or chemists or druggists.

3. (a) The expression "licensed premises" in the foregoing Article includes any premises or place where the sale of intoxicating liquor for consumption off the premises is carried on under a licence.

(b) This Order does not affect the sale or dispatch of intoxicating liquor to a trader for the purposes of his trade.

(c) In the application of this Order to any area or part of an area in Scotland the Order shall be read as if the expression "intoxicating liquor" were substituted for the expression "intoxicating liquor."

We comment upon this matter in a note on p. 45.

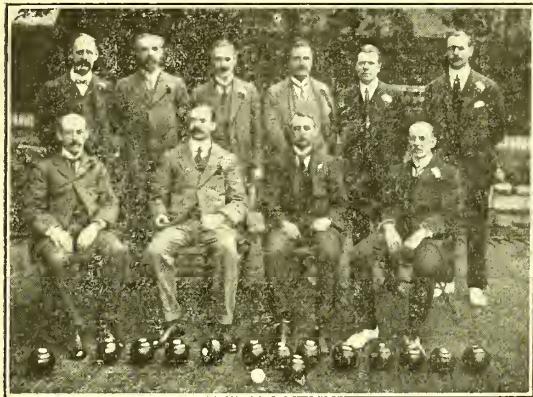
## Funeral of Mr. N. H. Martin.

The interment of Mr. N. H. Martin took place at Jesmond Old Cemetery, Newcastle, on Saturday afternoon, July 8. To most of our readers Mr. Martin was known as a pharmacist and the unceasing advocate of pharmaceutical education, but his immense activity had found expression in many local directions. As a magistrate for Newcastle City and for the County of Durham, where his home was, he took his full share of public service. His, too, were the energy and the administrative ability which took hold of the Natural History and the splendid Hancock Museum, and placed these institutions on a broad and sound basis. He had served for many years as church-warden of the Cathedral Church of Newcastle Diocese. The chief mourners were Miss Martin and Mrs. William Martin (daughters), Dr. Wm. Martin (son-in-law) and Mr. Vivian Martin (grandson), and Mr. Thomas Jefferson (London). Pharmacy was represented by Messrs. Francis Ransom (Hitchin), F. W. Branson (Leeds), T. Maltby Clague, George Foggin, Hunter (Durham), and J. J. Wakers. The great bell of the cathedral could be heard in the burial-ground, and its choir and clergy took part in the service, led by Canon Gough, the Vicar. The establishments of Brady & Martin, Ltd., were closed for

the day, and all the employés were present, including Mr. H. C. Roper (director) and Mr. Robert Robinson (assistant director). The City Magistrates were represented by Sir Walter Plummer, Mr. J. G. Watson, and Mr. J. R. Roberts; Durham County Magistrates by the Hon. Cyril Liddell (also representing Lord Ravensworth), and Mr. J. A. Dixon, LL.D. Prof. Louis and Dr. Dunn (city analyst) represented the Society of Chemical Industry; and Mr. C. E. Robson the Natural History Society.

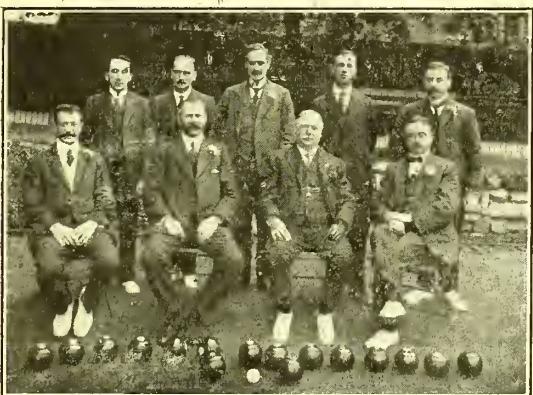
#### Bowling Pharmacists.

The opening match of the London Pharmacists' Bowling Tournament, organised by the "Script" Sports Club, was played at the Poplar Recreation Ground on July 6, when the Eastern Association was "at home" to the Western. The captains of the sides were Mr. Keith (Eastern) and Mr. Wilkinson (Western). The match was



WESTERN TEAM.

*Front Row:* H. R. Procter, J. M. James, W. Wilkinson (Skip.), J. A. Riley.  
*Back Row:* S. A. Sturton, J. Widgery, G. A. Tocher, J. Royle, G. A. Hamilton, H. A. Nicholson.



EASTERN TEAM.

*Front Row:* A. Conlon, G. M. Wilson, A. R. Keith (Skip.), C. Goode.  
*Back Row:* B. Abelson, W. Wood, G. A. Tocher, J. Angus, A. T. Styles. (Left to right in all cases.)

played with two rinks a side, the second skips being Mr. Wilson (Eastern) and Mr. James (Western). It was a keen game—so much so that at half-way there was a dead-heat on both rinks. Then Mr. Keith's team forged ahead, finishing up the twenty-one heads with a lead of 8 points; while on the second rink the Western ran out with a lead of 2 points. The Eastern won a well-fought game on the aggregate by 6 points. Among the spectators were the Lord Mayor and Lady Mayoress of London. The visiting team was afterwards entertained to tea by the home team at the Eastern Hotel. The next two matches of the tournament take place on July 20—Eastern v. South-Eastern, at Poplar; South-Western v. Western, at Clapham Common.

#### Contracts for Drugs, etc.

Boston Guardians.—Mr. T. B. J. Booker, quinine, 6s. per oz. (The next two are also Poor-law contracts.) Gloucester.—Drugs and disinfectants, Mr. H. R. Broad. Newport (Mon.)—Drugs, Ferris & Co., Bristol. Grantham Town Council.—B. & J. Fillingham, drugs, etc.

#### University College.

The new chemical laboratories at University College, which have recently been erected at Gower Place, London, W.C., were thrown open for inspection on the afternoon of Thursday, July 6, when a large number of invited guests took advantage of the opportunity of going over the building. Refreshments were provided at 5 p.m., and thereafter the visitors were taken round in parties, when the principal features of the various laboratories were described in detail. These include the physical chemistry laboratory, organic chemistry, inorganic chemistry (two rooms, each giving accommodation for 100 students), pathological chemistry, etc. There are two lecture-theatres, one accommodating 240 and the other 110 students, besides research-rooms sufficient for forty workers. There is also a room for the Ramsay Library. Much of the work is still unfinished, but notwithstanding this, research has been done and is being done both for the Army and Navy, and one entire section is occupied by the aeroplane-inspection department. Among some of the apparatus on view or in use are the original vacuum pump used by Thomas Graham, and apparatus for the preparation of liquid air.

#### Snow Hill Majories.

An interesting presentation marked the coming of age in the service of Burroughs Wellcome & Co. of the firm's general manager, Mr. George E. Pearson, F.C.S. This took place on Saturday, July 8, and the presentation, which was made in moving terms by Mr. J. Collett Smith on behalf of his fellow managers and departmental heads in England and the managers of the firm's foreign and Colonial houses, took the form of a gold cigarette-case, suitably inscribed. Dr. H. A. D. Jowett, F.I.C., added a few words of congratulation and appreciation from himself and the departmental heads at the "Wellcome" Chemical Works, Dartford. During his twenty-one years of association with the firm Mr. Pearson has had a very wide experience in many parts of the world. His first ten years were spent in vigorously advancing the firm's interests at home and abroad, particularly in South Africa, Australia, and Italy. In 1905, on the retirement of Mr. R. Clay Sudlow, he was appointed to his present post of general manager, and has on several occasions since visited the United States and Canada in connection with the extension of the firm's establishments in those countries.

[When the British Medical Association visited Carlisle in July 1895 Burroughs Wellcome & Co. included in their exhibit "a huge tank containing a few selected codfish, intended to show the original habitat of the viscera from which the cod-liver oil is obtained." It was Mr. Pearson who carried the cod to Carlisle from the North Sea, via Grimsby, by special brake to Manchester, and so to Carlisle, where they illustrated the genesis of Kepler products. The tale was told in the *C. & D.*, August 8, 1895, and we may now regard it as early evidence of Mr. Pearson's power in managing things. He was merely a "Wellcome" youngster then.]

On the same date, July 8, a handsome Sheraton dining-room clock was presented to Mr. F. Ashley Rogers, senior London representative for Burroughs Wellcome & Co., as a souvenir of the completion of twenty-one years' service with the company. The general manager, in the course of congratulatory remarks, mentioned that he and Mr. Rogers had joined the firm on the same date, July 8, 1895. Both had then, we may add, made names for themselves in West-end pharmacy, and were live members of the Chemists' Assistants' Association.

#### Birmingham.

In what has come to be known as the Smethwick arsenic mystery, where the poison was found in rice-pudding, the jury acquitted the prisoner on the advice of the Judge.

A case of prosecution under the Sale of Food and Drugs Act for the sale of ginger, alleged to be adulterated, which was heard at Birmingham on July 10, was keenly defended. The decision of the Magistrates was in favour of the defendant.

#### Liverpool.

Lieutenant Hall Jowett, whose name appeared in the *C. & D.* list of fallen heroes last week, was a student of the Liverpool School of Pharmacy.

Mr. Noel James Allan (Allan Bros., 59 Breck Road), who passed the Minor examination in April 1908, has now qualified as a physician and surgeon at the University of Liverpool. He has received the degree of M.B., with a special distinction in surgery.

By the vigilance of the manager of Boots' Park Road branch last Saturday a pair of female shoplifters were arrested, and property value over £37., stolen from various central area shops, was found in their possession. One woman was fined 6*l.* and the other 4*l.*

The official list of Diocesan Readers licensed by the Bishop of Liverpool as having received his commission to give occasional help in consecrated buildings to those clergy needing it includes the name of Mr. Henry Peet, M.A., J.P., the proprietor of the Adelphi Pharmacy.

#### Sheffield.

Walker & Co. have opened a drug-stores in St. Paul's Parade, Sheffield.

The Chesterfield Town Council have passed a resolution of sympathy with Major and Mrs. W. B. Robinson, ex-Mayor and ex-Mayoress of Chesterfield, on the death in action of their son, Captain Frank B. Robinson.

The National Executive Committee has appointed Mr. H. Antcliffe, of Sheffield Union, a member of a small Committee to prepare evidence for the Departmental Committee appointed by the L.G.B. to revise Poor-Law orders.

The Rotherham panel chemists are losing, through ill-health, a good friend from the chairmanship of the Medical Panel in Dr. G. H. Lodge. Dr. Lodge was at one time the President of the local Chemists' Society, having passed the Minor examination in October 1878. He took the Scottish Triple Qualification in November 1893.

The big advance has cost Newsholme's, Ltd., very dearly, and all Sheffield chemists will deeply regret the loss of their young colleague, Private Ernest Jepson, of Coal Aston. He was assistant in the laboratory. Also among the killed is Private T. A. W. Newsholme, only son of the late G. T. W. Newsholme (see p. 47). Private G. F. Jones, of Penistone, also engaged at Messrs. Newsholme's, and attached to the 12th York and Lanes Regiment (Sheffield Battalion), has been wounded.

#### Miscellaneous.

CHARING CROSS HOSPITAL, London, has decided to admit women students to the medical school and the hospital.

BOSTON RETAIL CHEMISTS are, under the Shops Act, to close at 7 P.M., except on Thursdays at 1 P.M. and Saturdays at 9 P.M.

POISONING-CASE.—The only case reported to us during the week is that of a Portsmouth postman, who poisoned himself with oxalic acid while of unsound mind.

HENRY PERCY JELLEY (50), registered medical practitioner, Homerton, was at the North London Police Court on July 12 committed for trial at the Central Criminal Court on a charge of murder.

At the Lord Mayor's Court, London, last week Mr. Leonard Morris, waterproof manufacturer, Manchester, was successful in an action against the Dominion Belting Co., Ltd., 91 Minories, for 5*l.* 16*s.* 2*d.* for goods supplied.

RAILWAY FRAUD.—At Peterborough Petty Sessions on July 12, Mr. H. Skells, chemist's traveller, was fined 40*s.*, and costs, for travelling on the Great Eastern Railway without having paid his fare, and with intent to avoid payment.

THE COCAINE-HABIT.—J. J. Donovan (22) is under remand at Marlborough Street, London. The police charge him with misbehaviour, and stated that he had eight boxes of cocaine, which he bought for 2*½d.* each, and sold to girls of a certain class for 2*s.* 6*d.* each. Donovan denied that, stating that he acquired the cocaine-habit in Canada.

MURDER BY POISON.—Sentence of death was passed at the Manchester Assizes, on July 12, upon a doctor's dispenser, named Farrow, who lived at Walton, Liverpool (see *C. & D.*, July 8, p. 36). Farrow poisoned his wife by administering to her 4 oz. of lig. morph. hydrochlor., and himself took 3 oz. He recovered, as did also his child, to whom he gave 1 oz. of the solution.

ANZAC AS TRADE-MARK.—The Australian Government has drawn the attention of the Board of Trade to certain instances of the employment in this country for trading purposes of the word "Anzac." In view of the associations attached to this name its use in connection with trade and industry has been entirely prohibited in the Commonwealth of Australia, and the Board of Trade trust that in the circumstances traders and the public in the United Kingdom will respect Australian wishes by abstaining from the use of the word for such purposes. See also *C. & D.*, June 17, p. 35.

AGRI-HORTICULTURAL LICENCE.—At the Lincoln City Council meeting on July 4, Pennell & Sons applied for the renewal of their licence and that of their manager, Mr. J. Wark. Councillor Hague considered that the licence was absolutely unnecessary because there are at least six phar-

macists within 500 yards of the applicant's shop. Councillor Race seconded the amendment. The Town Clerk was asked by the Mayor to read the law of the matter, which was done, and after further discussion the amendment was defeated by vote, and the licence was renewed.

PRIVATE ARRANGEMENTS.—A meeting of the creditors of Herbert Owen Meek (trading as Peronia Perfumery Co.), Durham Chambers, Pelham Street, Nottingham, was held on July 6, when a statement was presented showing liabilities 1,980*l.* 6*s.* 3*d.* and estimated assets 384*l.* It was agreed to deal with the matter by deed of assignment.—At a second meeting of the creditors of Saunders & Fisher, Ltd., wholesale perfumers, 25 Duncan Terrace, City Road, London, E.C., it was resolved to apply for the appointment of Mr. E. H. Hawkins, 4 Charterhouse Square, E.C., as joint liquidator with Mr. T. Wilkins, 17 Finsbury Pavement, E.C. The creditors' claims may be paid in full.

INSPECTORS OF EXPLOSIVES REPORT.—The fortieth annual report of the Inspectors of Explosives, which was issued last week, refers to the greatly increased activity in the production of explosives consequent upon the war. Certain regulations have been modified under power given by the Defence of the Realm Act. The report mentions that there have been twenty-one fatal accidents in the manufacture of explosives during 1915, which, in view of the vast increase in the number of persons employed, is considered satisfactory. Among the petroleum accidents there is a record of the explosions which occurred in the benzol-refinery at the works of the Gas Light and Coke Co. at Beckton last October.

THE THEOBROMINE CASE.—At the Police Court, Old Street, on July 12, Andrew Allen (51), medical practitioner, 21 St. George's Road, Southwark, and Hammersmith, was again charged with stealing and receiving two cases containing ten tins of theobromine, value 280*l.*, the property of Messrs. Wells, carriers. Mr. Huntley Jenkins said that on June 30 T. & H. Smith, Ltd., chemical-manufacturers, City Road, despatched by Messrs. Wells, carriers, two cases of theobromine to the Lep Transport and Depository Co., Castle Street, Long Acre. After leaving the premises the driver pulled up at a coffee-house for some tea, and on coming out found that the two cases were missing. His employer and the police were communicated with. Later they received a communication from the police, and went to Messrs. Barnett's place, 99 Fenchurch Street, where they identified the stuff as that they had despatched to the Lep Co. a few days earlier. This statement was supported by the evidence of Mr. Alfred Donald Daysh, of T. & H. Smith, Mr. A. J. Barnett, produce and chemical merchant, 99 Fenchurch Street, E.C., deposed that he had known the prisoner since September 1915, and purchased the theobromine from him on July 3. After other evidence, the prisoner, who pleaded not guilty and reserved his defence, was committed to the sessions, his own recognisance being accepted for his appearance.

## Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

#### Pharmaceutical Society of Ireland.

The following passed the Preliminary examination with honours: William Joseph McMahon, Youghal; Marguerite Donelan, Skibbereen; Samuel David McKinley, Londonderry; Francis Teevan Timoney, Dublin; Thomas Sexton, Buttevant; Thomas Kelly, Dublin; Michael Joseph FitzGibbon, Limerick. The following also passed: Edward Joseph Nolan, Carlow; Cecil Reid, Tynan; Thomas John McGuinness, Carrick-on-Suir; Patrick Fitzgerald, Tralee; Angela Bridget Doyle, Mullingar; Samuel Victor Robinson, Ramelton; Alice Connell, Skibbereen; John Joseph Maye, Corballa P.O., co. Sligo. Twelve candidates were rejected.

#### Brevities.

Mr. Dominic A. Dolan, Ph.C., Bolton Street, Dublin, has acquired new premises in Drumcondra, near the Tolka Bridge, in that city, and is opening a chemist's business there.

Among the officers wounded last week was Second-Lieutenant T. R. Cambridge, son of Mr. Robert Cambridge, J.P., R.D., Carrickfergus. Prior to joining the Army he was a director of Cambridge & Co., Ltd.

Mr. C. Edward Hill, Ph.C., is opening a pharmacy at Middleton, co. Cork. He has served with the R.A.M.C. for two years and has been invalided out of the Army, receiving a pension of 8*d.* a day for one month.

Lance Corporal Charles Eyre, who was killed in action recently, was an apprentice with W. J. Baxter & Co.,

chemists and druggists, Coleraine. Lance-Corporal Robert D. Kerr, who is wounded, is a chemist, and was in the service of Mr. J. B. Hay, Lisburn Road, Belfast, before enlisting.

Mr. T. H. Walsh, Ph.C., Howth, has been successful in getting the rate levied on the local residents for water supplied for two years prior to March 31 quashed. A claim for 10/- was made against Mr. Walsh, whose case was made a test one, and it was dismissed by the local Magistrates. The King's Bench has now upheld that decision.

Mr. D. Lowry, Clonmel, applied to the last meeting of the South Tipperary County Council for a poison-licence, under the Poisons and Pharmacy Act, 1908. Alderman Peters said he thought it was unfair for ordinary traders to take up the sale of such articles, especially in Clonmel, where there are seven or eight registered druggists, quite sufficient for the requirements of the district. He moved that the licence be refused, but this was lost and the licence was granted.

## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Aberdeen and the North.

Mr. Thos. Spence, Ben Nevis Pharmacy, Fort William, has a photographic display in one window, and the other has an assortment of health salts, bismuthated magnesia, etc.

At a recent meeting of the Engineering and Chemistry Committee of Robert Gordon's Technical College, Aberdeen, it was reported that Annie R. Benzie, a student of the evening classes of the School of Pharmacy, had gained the first prize in the C. & D. Winter Tournament.

Mr. Alexander Milne, pharmacist, Maud, being indisposed, and finding it impossible to get qualified assistance, is closing all this month, and has advertised the fact locally. Mr. Milne was formerly in the Scottish Horse, and is well known to many pharmacists besides those in the Buchan country.

The Harmsworth Bowling Trophy was played for at Thurso last week between Mr. W. Cumming, chemist and druggist, and Mr. F. Fraser, Bank of Scotland, and Mr. Cumming won by 21 shots to Mr. Fraser's 14. This is the third time Mr. Cumming has won the Trophy, which now becomes his own property.

### Edinburgh.

Mr. J. Lothian, Ph.C., has left J. F. Macfarlan & Co., and will presently start business for himself.

Women students are to be admitted to all medical classes in the Edinburgh University when a committee has drawn up a scheme for the purpose.

Mr. R. F. Wishart, Clerk to Midlothian County Insurance Committee, has been appointed Clerk to Edinburgh Burgh Insurance Committee, at a salary of 300/-.

The Sub-Committee of the Soldiers' and Sailors' Families Association, who worked in conjunction with Edinburgh chemists in supplying medicines, has thanked them, stating that their contribution of about 400/- during the first year of hostilities was a welcome addition to the common war chest.

### Fife.

There has been a very decided falling-off in Insurance prescriptions for June all over Fife-shire. Of course this is a quiet season, but the prospects of Insurance payments are much brighter than last year.

The Fife and Kinross Miners' Federation have declined to agree to the request of local doctors for double fee (3d. per week instead of 1½d.) for attendance on the dependants of insured persons. There will thus be no medical attendance on dependants at the close of the present term.

### Glasgow.

Mr. J. P. Todd, who has passed the "Major" successfully, was assistant to Mr. M. M. Irvine, Principal, Glasgow School of Pharmacy.

Chemists in the various Scottish holiday-resorts are suffering badly from various restrictions, as well as curtailments of trains and steamers, photographic chemists especially being hard hit.

John Huxley Mason, second son of Mr. Archibald D. Mason (Huxley's Pharmaceutical Products), has passed with honours his First Professional examination at Glasgow Veterinary College.

## French News.

(From the "C. & D." Paris Correspondent.)

BOTTLE-IMPORTS.—There having been some doubt as to whether the importation of bottles is prohibited, the British Chamber of Commerce has obtained definite confirmation from the French Customs Director that bottles do not come under the list of articles the importation of which is prohibited.

HABIT-FORMING DRUGS.—The French Chamber on July 7 adopted the Bill, already agreed to by the Senate, further restricting trade in opium, morphine, and cocaine. A demand was also made that further efforts should be made under the powers of the Opium Convention to obtain the cessation of the cultivation of poppies in Japan and China.

IMPORT-DUTIES.—The Government has decided to relax the Order which prohibited the import of alcohol. At the same time the import-duties are to be modified. On alcohol and brandy the tariff is 450f. and 300f. per hectolitre, maximum and minimum respectively. On alcohol imported for the use of the Government or for the manufacture of vinegar, chemical and pharmaceutical products, varnish, and perfumery the duty is to be 80f. maximum and 70f. minimum.

HOW ROMANS TESTED DRINKING-WATER.—M. Trillat has communicated a paper to the Paris Academy of Sciences, telling how the ancient Romans tested the alkalinity of drinking-water. Hippocrates gave him the hint. Red wine was the reagent; two drops of Algerian wine added to 100 c.c. of rain-water just colours it, while alkaline spring-water may require thirty to thirty-five drops of the wine to colour it. Roman camps were found near the source of the best drinking-water in the district, and the leaders noted the water.

THE "STAR OF THE BRAVE."—Two pharmacist-majors, MM. Chauvet and Labesse, have been awarded the Cross of the Legion of Honour for ambulance-work. M. Richaud, head hospital pharmacist in civil life, has also received the Cross, "having proved himself full of energy and coolness in every circumstance, particularly when his ambulance was exposed to the fire of the enemy." The Cross, by order of the Minister, has been placed in the coffin of M. Thomassin, the victim of an accident in a compressed-gas factory. He was the son of a Nancy pharmacist. Other recent recipients of the Cross are Pharmacist-Majors Bréteau, Pastureau, Moreau, and Bouvelot. M. Camus, Navy pharmacist, has been made Officer of the Legion, and Pharmacist-Major Gard (serving in Tahiti), and M. St. Sernin, pharmacist, have been appointed Chevaliers.

A FRENCH VIEW OF "TABLETS."—M. Maurice François deals at some length in a French contemporary with "tablets," or, as they are called here, "comprimés." He notices that since the war began practically all medicaments for army use are sent out in this form, and in view of the special circumstances he does not criticise this practice. The regrettable fact, from his point of view, is that the "comprimé" is becoming more and more popular among civil pharmacists. So long as the tablet is exclusively composed of the substance of which it bears the name—e.g., potassium chlorate, sodium bicarbonate, potassium iodide, antipyrin, etc.—M. François admits there is nothing to be said, but he regrets the modern tendency to assimilate pharmacy to big grocers' shops, where everything is put up beforehand and retailed by unskilled hands. He points out that there is a danger of these grocers also handling compressions of medicines.

A GALLANT PHARMACIST.—In a little Lorraine village, Professor Moureu, of the Paris School of Pharmacy, recently delivered a funeral oration over the grave of Sub-Lieutenant Charles Bongrand, killed at the Front. After taking his pharmacy diploma, Bongrand had acted as preparator to Professor Moureu, and was also assistant-editor of the "Revue Scientifique." A quiet and almost timid young man, of sterling merit and pleasant manner, he was mobilised as a sergeant, and, after six months' service, he received his commission and went to the Front. On February 16, 1915, he was leading fifteen men to the assault of the German trenches, when a shell burst among them. Bongrand was the only survivor; he had his shoulder smashed and a shell splinter in one lung. During his convalescence he studied asphyxiating gases, then recently introduced by the Germans. Pressed to remain in the laboratory after his recovery, he refused, resumed his military duties, and fell in front of the German trenches.

"THE SCOTSMAN" is publishing an interesting correspondence on panel prescribing in Scotland. One correspondent gives the Central Checking Bureau credit for decreasing the drug expenditure.

## British Pharmaceutical Conference.

### Fifty-third Annual and Second War Meeting, London, July 12, 1916.

The Conference was held in the lecture theatre of the Pharmaceutical Society at 17 Bloomsbury Square, London, W.C., on July 12. At the lecture table sat Mr. Edmund White (President of the Pharmaceutical Society), on his left Dr. David Hooper (President of the Conference) and Mr. D. Lloyd Howard (Treasurer), while on the right of the President was Mr. R. R. Bennett (Secretary). The following is a list of those

#### WHO WERE THERE.

Miss M. E. Buchanan, and Messrs. J. G. Atkinson, T. O. Barlow (Southsea), R. R. Bennett, F. W. Crossley-Holland, Harold Deane (Long Melford), H. Wippell Gadd (Exeter), C. H. Hampshire, C. A. Hill, J. Rutherford Hill (Edinburgh), E. M. Holmes, T. H. W. Idris, Edmund Jones (Hanley), H. Humphreys Jones (Liverpool), John Keall, A. R. Keith, W. Kirkby (Manchester), G. J. Knight, I. T. Lloyd, T. Maben, J. H. Mather (Godalming), C. W. Matthews, A. R. Melhuish, J. Milner (Greenwich), W. A. H. Naylor, John Noble, W. Pescod (Newcastle-upon-Tyne), A. J. Pidd (Manchester), R. R. Pratt (Kilburn), F. Ransom (Hitchin), P. F. Rowsell (Exeter), F. Pilkington Sargeant (Leeds), W. Chas. Sayers (Lewisham), Herbert Skinner (Highgate), A. H. Solomon, H. I. Stephens, W. P. Want, E. White, Geo. Whitfield (Scarborough), W. J. Uggle Woolcock, and S. W. Woolley.

Mr. EDMUND WHITE opened the proceedings shortly after eleven, and welcomed the Conference on behalf of the Pharmaceutical Council. He regretted that circumstances compelled the holding of only a formal meeting, but he thought it wise to secure continuity in the Conferences.

Dr. DAVID HOOPER then took the chair, and briefly thanked Mr. White for his welcome.

Mr. BENNETT intimated that apologies for absence had been received from a number of members, including Dr. C. Symes, Mr. W. F. Wells, and Major E. S. Peck, Past-Presidents.

A list of elected delegates to the Conference was also read, but those present are included in the list given above.

Dr. HOOPER then delivered

#### THE PRESIDENTIAL ADDRESS.

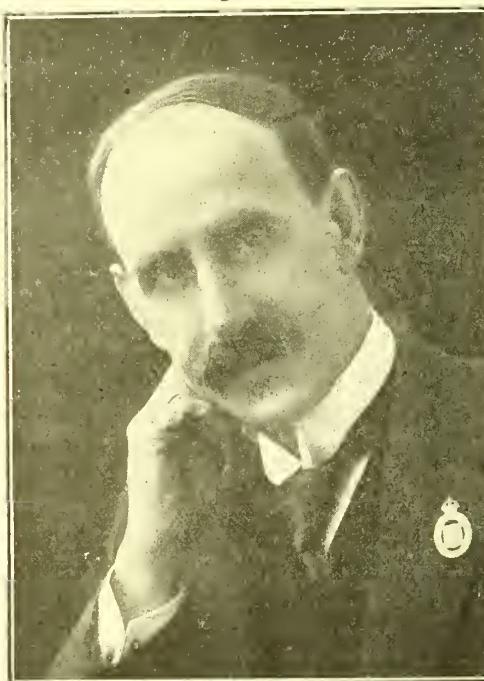
In his introductory remarks Dr. Hooper mentioned that at the 1865 meeting of the Conference, an invitation to attend the International Pharmaceutical Congress at Brunswick came from Germany, and although time did not permit anyone to be present, the Conference responded by inviting delegates from Germany to attend its meeting. "No such invitations had been exchanged this year," said Dr. Hooper. "Owing to the breach of nearly all international laws and

the inhuman actions of the Berlin Government, relations have been strained, resulting in hostilities, and for the second time the Conference assembles under the dark shadow of a great war." He referred to the address given last year by Major E. S. Peck, and alluded to the calls made upon pharmacy, as on all other trades and professions, to make sacrifices consequent upon the war. Some who heard this remark recalled the loss that Dr. Hooper and his wife suffered in the death of their eldest son, an Army officer, in France in April 1915. Reference was next made to the publication of the British Pharmacopoeia, 1914, in respect to which the President said:

"She has started on her useful career of directing the preparation and composition of official medicine. She has taken on board the drugs of the Indian and Colonial Addendum, and in that sense is entitled to fly the Imperial flag. When in a few years the time will come when she will have to put into port for repairs, it is hoped that the proprietors, the General Medical Council, will arrange to give the contract to a Select Committee of practical pharmacists. In the meantime, we are interested in the 'Year-book of Pharmacy,' a unique compendium of current pharmaceutical literature, whose standard is being efficiently maintained."

The President then referred to the Conference's influence in the British Empire, speaking of it as an Imperial organisation which has representatives wherever the Empire extends. He mentioned with pride the assistance rendered by the Colonies and India, saying:

"The present task of the Empire is being eagerly shared by the Colonies, anxious to assist our military and naval operations by means of men, money, and munitions. The tariff problems are now being thoroughly considered, as to whether the Empire can be more self-contained or self-sufficient in respect of its trade by encouraging closer and more extended trade relations. Imagine for a moment the position of this country without our Colonies. A congested population ministering to our reduced wants, with no natural outlet for its overflow and no markets for its manufactures beyond such as were wholly or partially banned by hostile tariffs; our emigrants, instead of proceeding to lands where they could still remain British, would be swallowed up in the whirlpool of cosmopolitanism or be converted into foreigners and aliens. Imagine what our trade would be without our Colonies. They are the best customers of the Motherland, while their most valuable staples are always at the disposal of the home market. Drugs and chemicals would be without our Colonies. It should be a source of satisfaction to a chemist and druggist to know that the contents of his drawers and bottles are largely from plants and minerals obtained from British soil."



DAVID HOOPER, Ph.C., LL.D., F.C.S., F.I.C., F.L.S., Hanbury Medallist

Dr. Hooper was apprenticed to a Southwark pharmacist (Mr. Thomas M. Ball), and he had just emerged from his teens in 1878 when he was awarded a bronze Herbarium medal by the Pharmaceutical Society. He went to the School of Pharmacy in 1879, and during the two sessions he, Mr. William Elborne, and Mr. Robert Wright (B.P.C. President in 1908) ran a series of intellectual races. In July 1880 Dr. Hooper passed the Major examination and was awarded the Pereira medal. He then went to Birmingham as one of Southall Brothers & Barelay's analytical and research chemists, and while with them obtained in 1884 the appointment of Quinologist to the Madras Cinchona Plantations, subsequently becoming Acting Government Botanist and Director of the Cinchona Department and Curator of the Economic Section of the Indian Museum, Calcutta. Some years later he was Officiating Reporter on Economic Products to the Government of India, also acting as Agricultural Chemist to that Government. The best recognition of Dr. Hooper's ability and work was the bestowal upon him in 1907 of the Hanbury Medal, which had been conferred on Dr. William Dymock in 1887 and upon Sir George Watt in 1901. With both these men Dr. Hooper was associated in India. He retired in 1914 from his position as Economic Botanist to the Geological Survey of India, and the honorary degree of Doctor of Laws was bestowed on him by the McMaster University, Toronto. He has written largely, his works including "Pharmacographia Indica" and "Materia Medica for India," and when the war broke out he was one of the first to offer his services, and is at present attached to the Ministry of Munitions; thus, like his predecessor in the chair, he is doing war work in one of the B.P.C. war years.

Imagine what our supply of drugs and chemicals would be without our Colonies. It should be a source of satisfaction to a chemist and druggist to know that the contents of his drawers and bottles are largely from plants and minerals obtained from British soil."

Dr. Hooper then dealt with the richness of India in official and non-official drugs, this part of the address including special mention of articles for which the country is noted. These references dealt with grass oils, thymol, oil of gaultheria, as well as the fixed oils of croton, castor, and chaulmoogra; gurjun oil was also mentioned. Then followed an interesting passage regarding turpentine from *Pinus longifolia*, besides reference to Indian opium and its products. Without mentioning all the drugs produced by India, Dr. Hooper spoke in such a way as to show his hearers that there is in India great possibility in regard to the future supply of drugs which the British Empire requires, and which we have hitherto regarded as being almost exclusively European products, whereas he showed that the climatic conditions of the country are such as to grow anything almost. He also dealt with the mineral products of India, and pointed out that the manufacture of munitions is proceeding briskly there, and since the commencement of the war Government assistance has been specially valued in the production of glass, the manufacture of Epsom salt and bichromate of potash, as well as in oil-pressing. He alluded also to the chemical research in India, and especially mentioned work on *Huoseyamus muticus* by Mr. J. H. Barnes, Messrs. E. G. Hill and A. K. Sirkar's work on "Mudar" or "Ak" (*Calotropis gigantea*), and other work, such as Sir Leonard Rogers' use of chaulmoogra oil in leprosy. Reference was also made to what other Eastern British possessions have done, such as the cultivation of ipecacuanha in the Federated Malay States since 1877, when it was commenced in Singei Ujong. Then Mr. Bailey cultivated it in Johore, and its regular appearance on the home market now is an index of its success. The position of the chemical and drug trades in Australia was also referred to, and Dr. Hooper added an interesting statement about South Africa, based on a communication from Mr. A. Walsh, of Cape Town, in which information was given regarding the production of buchu and aloes there, and the initial but successful cultivation of belladonna, liquorice, coriander, and earaway, the last-named being grown by farmers' wives, who get good pin-money out of it. The President referred to and made remarks upon the sale of poisons and patent medicines in this country; he recalled Sir Edward Evans's remarks in the 1912 presidential address on the cultivation of medicinal plants in Great Britain, and alluded to the Board of Agriculture's recent publications on the subject and the work by Mr. Holmes. He then spoke of women's place in pharmacy during the war, and concluded by alluding to some other matters that the war has brought to the surface, dealing specially with the departments of chemistry which have been bettered in this country through manufacturers taking up the production of articles which hitherto have been imported from enemy countries.

Dr. Hooper referred to a paper which had been received from Mr. Sidney Plowman, F.R.C.S., on Australian medicinal plants, and finished up by expressing the hope that at the next annual meeting of the Conference we may meet under more normal conditions, when its scientific and social functions will be resumed, and when peace will be in prospect, if not an accomplished reality. (See p. 49.)

The address took half an hour to deliver, and was listened to with great interest.

Mr. E. M. HOLMES proposed a vote of thanks to the President, remarking that it is unique for one Hanbury medallist and past President to propose a vote of thanks to another Hanbury medallist. Dr. Hooper had given the meeting the benefit of his special knowledge of Indian drugs, and he (Mr. Holmes) suggested that, in addition to those mentioned, the cultivation of the menthol plant might be undertaken in South-West Africa.

Mr. T. H. W. IDRIS seconded, mentioning that having been acquainted with Dr. Hooper's work for so many years he had expected him to be an older man.

Mr. HOLMES put the vote to the meeting, and it was carried unanimously.

Mr. BENNETT then read the report of the Executive, of which the following is an abstract:

#### ANNUAL REPORT.

This began by referring to the reasons why the Conference is being held again in London and the scope of the meeting confined to the delivery of the presidential address and the conduct of business affairs. The resignations of Major E. S. Peck, the President, and Mr. J. C. Umney, the Acting President, were mentioned, these matters having been dealt with in the *C. & D.* at the time. The Research Sub-Committee appointed last October has met and discussed the arrangements for the "Year-book" and the revision of the research list. The activities of the other Sub-Committees have been temporarily suspended.

Mr. J. O. Braithwaite was appointed Editor of the "Year-book," and Mr. Thomas Stephenson has undertaken to compile the section dealing with new remedies. Mr. Isaiah Bourdas has, in consequence of ill-health, resigned the position he held as one of the auditors. The death of the following members was recorded: Mr. S. P. Boyd (Dublin); Mr. J. Pitman (Bristol), Hon. Local Secretary when the Conference visited Bristol in 1875; Mr. A. S. Buck (Liver-pool); Mr. G. T. W. Newsholme (Sheffield), former Vice-President; Mr. G. Weddell (Newcastle-on-Tyne), former Vice-President and Chairman of the Local Committee when the Conference visited Newcastle-on-Tyne in 1909; Mr. A. Davidson (Montrose); and Mr. N. H. Martin (Newcastle-on-Tyne), who filled the Presidential Chair at Oxford in 1894 and again at Bournemouth in 1895.

#### TRIBUTE TO THE LATE MR. MARTIN.

Mr. W. H. A. NAYLOR, proposing the adoption of the report, asked to be allowed to pay a passing tribute to an old friend and past President, Mr. N. H. Martin. Thirty years ago the speaker was brought into working association with him on the occasion of the initiation of the British Pharmaceutical Conference Formulary. Mr. Martin became Chairman of the Committee, and in that, as in other capacities, he did nothing by halves. He had the qualifications for sound and finished workmanship, and he never buried his talents or put his light under a bushel, but cultivated his natural gifts and used them freely for the benefit of his fellow-pharmacists. The opinions he formed after much thought he held tenaciously, and defended them with great clearness and vigour. When, however, he was once convinced that he should take a certain course, he never shrank from the responsibility involved. Pharmacy was his constant love, and he always spoke of his assistant master, Mr. Deane, and his partner, Mr. Brady, in terms of reverence and grateful appreciation. He was infused by their noble spirit and example, and he sought and succeeded in maintaining a high standard in the profession which they practised. United to a virile and forceful character there was a spirit of kindness, sympathy, and hospitality, the depth of which was only known to those who had the privilege of enjoying his friendship. He was verging on for nearly the allotted span of life; his sun has set. May we not say its light shall linger round us yet, bright and radiant?

Mr. J. GRIEB seconded the resolution, and said he was glad the war had not prevented the meeting, as such an address as that which they had heard takes pharmacists out of the rut.

The meeting carried the motion unanimously.

Mr. D. LLOYD HOWARD then submitted

#### THE TREASURER'S REPORT.

In doing this Mr. Howard said that on comparing the accounts with those of previous years it will be noticed that both receipts and expenditure show a decrease. This can readily be understood in view of the special circumstances, but it is most desirable that all interested in the work of the Conference should endeavour to keep up the number of members, since it is hoped that after the war the Conference will be able to resume its full activities, and this, of course, will entail increased expenditure. The balance in hand was 127*l.* 10*s.* 6*d.*, as against 84*l.* 17*s.* 4*d.* in 1914, but 25*l.* has already been received in subscriptions this year. This is very good, but we must not forget that in 1913 the amount received for the corresponding period was 29*l.*. There was no grant from the Bell and Hills Fund in 1915, and the balance is consequently increased by the amount of income 7*l.* 19*s.* 6*d.* The Research Fund remains with a balance of 18*l.* 12*s.*, which it is hoped will be drawn on as soon as our members can turn their thoughts and energies to peaceful science. [The accounts were published in the *C. & D.*, March 11, p. 82.]

Mr. EDMUND WHITE moved the adoption of the report. This was seconded by Mr. W. KIRKBY and carried.

Mr. BENNETT then read the nominations of

#### OFFICERS FOR 1916-1917.

*President.*, Mr. C. A. Hill, Ph.C., F.I.C.  
*Vice-Presidents.*, Professor H. G. Greenish, Mr. W. P. Evans, Mr. E. F. Harrison, Mr. Edmund White, and Mr. G. Whitfield.

*Hon. Treasurer.*, Mr. D. Lloyd Howard.

*Hon. Secretaries.*, Messrs. H. Finnemore and R. R. Bennett.

*Hon. Local Secretary.*, Mr. H. Humphreys Jones.

*Other Members.*, Messrs. T. O. Barlow, H. Deane, F. W. Gamble, C. H. Hampshire, A. R. Melhuish, H. Skinner, H. L. Smith, T. Stephenson, and H. Wyatt.

*Auditors.*, Messrs. W. F. Gulliver and W. L. Howie.

Mr. RANSOM, proposing the election of the officers referred to, said the Conference is particularly fortunate in getting

Mr. C. A. Hill to accept the office of President. He is a man who has risen to the highest level in pharmacy and chemistry. Mr. Howie, the new auditor, is known as a regular attendant at the Conference.

Mr. J. R. Hill seconded the proposition, and said the justification for continuing the Conference in wartime had been supplied by the most interesting address of the President, who had shown that pharmacists have the greatest reason for thinking Imperially.

The election having been confirmed by the meeting, Mr. C. A. Hill briefly replied.

**INVITATION TO LIVERPOOL.** Mr. H. HUMPHREYS JONES, representing the chemists of Liverpool, then repeated the invitation to the Conference to visit Liverpool on the first possible occasion after the war. He shared the opinion that the meeting would be next year, and

A Wykhamite whose grandfather was a founder of the Pharmaceutical Society. Studied at the Square in 1895, became a pharmaceutical chemist in July 1896, and a Bachelor of Science, London University, and Fellow of the Institute of Chemistry a few years later. Is a Councillor of the Chemical Society and of the Institute of Chemistry, President of the Drug Club, and chairman and managing director of The British Drug Houses, Ltd.

he suggested that as marking the special character of the Conference, steps should be taken to ensure the presence of delegates from the Colonies and the Allied nations. The occasion would also be taken to welcome those who have taken part in the war, and for a tribute to be paid to those who had fallen.

The PRESIDENT at this stage read a letter from Mr. W. P. Evans, urging the acceptance of the invitation.

Mr. C. A. Hill proposed the acceptance of the invitation on the conditions mentioned by Mr. Jones. To this the Conference agreed.

Mr. GEO. WHITFIELD, on behalf of the Scarborough chemists, said he hoped that the deferred invitation to visit Scarborough would take place in the year following the Liverpool Conference. He hoped the meeting would take it from him that Scarborough is by no means "closed for repairs." The chemists may be short of cash and staff, but are full of enthusiasm. (Hear, hear.) He proposed a vote of thanks to the Pharmaceutical Society for the use of the lecture theatre for the Conference.

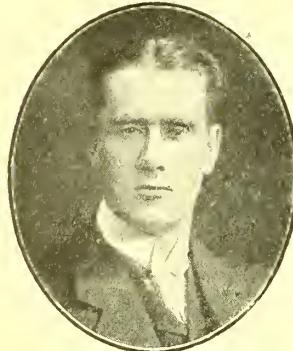
Mr. T. STEPHENSON seconded the vote of thanks, which was agreed to.

The PRESIDENT replied to a vote of thanks to him for the way he had filled the office. He said that he had often read about the proceedings when 7,000 miles away, and it was a real pleasure for him to be present in an official capacity.

This ended the Conference of 1916. The members afterwards took luncheon together in the Caledonian Room, Holborn Restaurant, there being also present Mrs. and Miss Hooper. There were no speeches.

A meeting of the Executive Committee was held at 16 Bloomsbury Square, London, W.C., on July 5, Mr. T. H. W. Idris in the chair. In regard to the death of Mr. A. Davidson, Montrose, the Secretaries were instructed to write a letter of condolence to the relatives. The annual report was submitted and approved, and final arrangements were made for the annual meeting. A letter was read from Mr. H. H. Jones, Liverpool, regarding the proposed visit to that city. The following members were elected: Mr. G. A. Mallinson, Mr. R. Pratt, and Mr. A. J. Somer.

THE INSURANCE COMMISSIONERS, in forwarding the list of employés engaged by multiple-shop companies who claim exemption from military service, instructed the Joint Insurance and Pharmaceutical Committees when considering the number for national requirements to take into consideration the distance of the shops from each other. This is in order that some centralisation might be made for dispensing and more men be released for military service.



MR. CHAS. ALEX. HILL,  
B.Sc., Ph.C., etc.

## Legal Reports.

**A Sulphuric-acid Plant.**—In the Commercial Court of the King's Bench Division, before Mr. Justice Rowlatt, on July 6, the case of Hart Bros. & Co., Ltd., chemical-manure and grease manufacturers, Keadby, near Doncaster, against J. Brown & Co., Ltd., manufacturing chemists, Dewsbury, was heard. The plaintiffs sought damages for alleged breach of the contract whereby the defendants agreed to erect a sulphuric-acid plant at plaintiffs' Keadby works according to plans of February 1913, and to be capable of producing not less than the equivalent of 100 tons of acid per week at 140° Twaddel. After hearing counsel for both parties his Lordship held that the contract was not established, and gave judgment for the defendants, with costs.

**Pharmacy Act: Sale of Opium by Brokers.**—At the Mansion House Police Court, London, before Sir W. Dunn, on July 7, Frederick Elliott Annison, trading as Bowyer & Bartlett, brokers, 147 Fenchurch Street, was summoned, at the instance of the Pharmaceutical Society, and under Section 17 of the Pharmacy Act, for unlawfully supplying to Hector Maritute opium not being distinctly labelled with the name of the article and the name and address of the seller; and, further, for selling opium to a person unknown to him, and otherwise neglecting statutory provisions. Mr. Frampton appeared for the defendant, who pleaded guilty to the second summons. Mr. Glyn-Jones, M.P., for the prosecution, said two Chilians were recently convicted at Liverpool and ordered to be deported for being in a prohibited area in contravention of the Defence of the Realm Act. In their possession was found 100 lb. weight of opium, which inquiries showed had been supplied by the defendant's firm. It transpired that the men had obtained the drug by representing that they were introduced by the Chilian Bank. Opium was one of the articles the exportation of which was prohibited under recent orders, and it was all the more necessary that the requirements of the Pharmacy Acts should be strictly complied with. The fact of these men having the opium in their possession was brought to the notice of the Privy Council and by them to the Pharmaceutical Society. On April 23, at that court, defendant was convicted of selling opium in breach of the regulations and was fined 5*l.* Mr. Frampton said the defendant's firm had given the authorities every information with regard to this transaction, and they had since repurchased the opium from the police. With regard to the previous summons, Mr. Frampton said that was in the form of a test-case, the question raised being whether the sale of opium to the extent of 10 lb. in weight was a wholesale or a retail transaction, it being held that this was a retail and not a wholesale transaction. Sir W. Dunn was of opinion that a technical offence had been committed owing to the carelessness on the part of some official of the firm. He did not think for a moment that the defendant wished to disobey the law. He imposed a fine of two guineas, with ten guineas costs.

## Deeds of Arrangement.

**George, John Arthur,** 70 Fargate, Sheffield. Chemist and Druggist.—Trustee: J. W. Naylor, 17 Bank Street, Sheffield, I.A. Dated, July 4; filed, July 5. Secured creditors, 1,100*l.*; liabilities unsecured, 456*l.*; estimated net assets, 1,150*l.*

**Swann, Sidney Vincent,** High Street, Fovant, now residing at 26 Hamilton Road, Salisbury, Chemist's Assistant.—Trustee: S. G. Best, Bank Chambers, Salisbury, Accountant. Dated, July 4; filed, July 8. Liabilities unsecured, 259*l.*; estimated net assets, 174*l.* Among the creditors are: Atkins & Son, Salisbury (82*l.*).

**Stratton, John Fountaine,** Burnham Market, Chemist and Druggist.—Trustee: G. S. Andrews, Wells-next-the-Sea. Dated, June 29; filed, July 4. Liabilities unsecured, 232*l.*; estimated net assets, 105*l.* The creditors include: Kodak, Ltd. (4*l.*); S. Maw, Son & Sons (22*l.*); Meggeson & Co., Ltd. (15*l.*); Butler & Crisp (8*l.*); Smith, Ltd. (5*l.*); William Cooper & Nephews (6*l.*); Vinolia Co., Ltd. (3*l.*); Singleton & Cole, Ltd. (5*l.*)

**Trattles, William Ernest,** 194 Brixton Hill, and 12 Streatham Hill, S.W., Pharmacist.—Trustee: G. M. White, 14 Old Jewry Chambers, E.C. Dated, July 3; filed, July 10. Liabilities unsecured, 452*l.*; estimated net assets, 375*l.* The trade creditors include: The British Drug Houses, Ltd. (37*l.*); E. Cook & Co., Ltd. (10*l.*); Evans Sons Lecher & Webb, Ltd. (22*l.*); Meggeson & Co., Ltd. (12*l.*); F. Newbery & Sons, Ltd. (12*l.*); Sangers (53*l.*)

## Observations and Reflections.

By Xrayser II.

### The Insurance Commissioners

have frequently shown themselves to be among the worst enemies and most serious obstructors of the scheme they administer, and incidentally of the pharmacists who are responsible for an essential part of its working. Time and again they have overridden the recommendations and thwarted the action of the Insurance Committees, the object of which was to ease friction and facilitate the adjustment of anomalies, but never perhaps have they shown so cynical a disregard of all the interests involved as in their reply to the Southport Insurance Committee in the matter of stock mixtures.

### The Loss of Mr. Skinner's Motion

with respect to federation is regrettable, and the spirit in which it was opposed by one or two members of the Council is still more so. To regard a recommendation to lay down general principles for the guidance of local Associations, in a matter in which they are already moving—and moving, apparently, in a tentative rather than an assured manner—as an interference with their freedom of action is ridiculous. There is no more reason to resent it than there would have been to resent the Council's efforts at organisation, while there is every reason to suppose that the help of the Council would be as beneficial in this case as it was in the other.

### The Death of N. H. Martin

must have come as a shock to most of his friends in pharmacy, few of whom had known of his illness. He was for more than thirty years a prominent figure in our ranks, and considering the great amount of work he did, it was natural to think of him as a man getting up in years, but the fact is Mr. Martin never looked his years, and he had not only the appearance but also the manner of a much younger man than he was, keeping in constant touch with all that was going on and always ready to assist in every useful work. Hence it is that I was surprised to learn that he was within a year of the three-score and ten. His life was certainly a very full one, and few pharmacists have enjoyed to a higher degree those titular honours that fall in the nature of things to comparatively few among our ranks.

### The Pharmaceutical Conference

which met this week will be poorer in the absence of one who was among its most regular attenders. Mr. Martin's connection with the Conference may be said to have been coterminous with his pharmaceutical career, for he was, in a sense, cradled in business by the men who formed the innermost circle in the early days. Deane, Brady, Reynolds, and Schacht were probably the four men to whom we owe the Conference, and through it most of the scientific advancement in pharmacy that has been made in the past half-century. Associated as Mr. Martin was with Deane and Brady, it would have been surprising indeed if he had not taken a lively interest in the institution which they had done so much to place on a permanent foundation. It was at the Conference meetings that I got to know Mr. Martin, and for many years I never missed having some conversation with him. I was always struck by his wide knowledge of affairs generally, while so far as pharmacy is concerned there were few more competent men.

### An Excellent Man of Business,

Mr. Martin had built up a large "connection," particularly with medical men in the North of England, where for many years his firm has been highly esteemed. As an ardent educationist, every movement having as its aim the intellectual improvement of the people had his warm support. Like all strong-minded men, he was inclined to be somewhat

critical and self-opinionative, and he did not always hit it off with his co-workers. Hence probably his term of office on the Council of the Pharmaceutical Society was shorter than it ought to have been. The North of England has suffered severely this year. Mr. Weddell and Mr. Newsholme have gone, and now Mr. Martin. Pharmacy is the poorer for the loss of all three.

### The Latest Section

of the Oxford Dictionary (*Stead—Stellatim*) contains very few words of much importance in pharmacy. Perhaps *Steel* is the one to which most interest attaches. There is a note on the medicinal use of steel, in which we are told that anciently "the ordinary notion was that steel and iron were different medicines, with similar but not identical therapeutical effect." So far as practice in this country is concerned, it would be more accurate to say that iron and steel were regarded as possessing the same principles, but differing in their adaptability to medical use, iron yielding its "principles" more readily than steel. *Salt of steel* is defined as "usually iron chloride (but used also for the sulphate or other salts of iron)," but, as a matter of fact, the *Sal Martis*, or salts of iron, of our Pharmacopeias was the green sulphate. The quotation for *Ens Veneris*, the yellow flowers of steel, is from Dossie, and dated 1758; but this preparation was the invention of Robert Boyle in the preceding century. He is said to have prepared it from green vitriol, but sulphate of copper was sometimes substituted, perhaps owing to the name given to it by the inventor in allusion (Quincy suggests) to its use in women's disorders. *Sugar of steel* (so in the Dictionary) is more properly *sugared steel*, the name in the Edinburgh book being *Mars Saccharatus*. There is no mention of *steel drops* as a synonym for *tincture of steel*. *Stearin*, *Steatite*, etc., and combinations with *steato* (from the Greek *stear*=stiff fat) form an important group, as do also combinations with *stereo* (Greek *stereos*=solid), *Stereochemistry* being the only one that much concerns us. *Stellaria*, a name applying not only to the genus of caryophyllaceous plants, but to individuals in the genus; *Stephanotis*, meaning fit for a crown or wreath; and *Stickadove* (or *Stickadoor*), from *Stoechados*, French lavender, are the most interesting plant-names. *Sticklac* means lac found adhering to the twigs of trees. The earliest quotation for *Sticking-plaster* is from Culpeper's translation of Riverius. *Stiffe* (in horses), though sometimes written *stiffle*, is said to have no known connection with *stiff*. *Still-room*, though mentioned, has no quotation assigned it, and is not explained, which is strange, considering the importance of the still-room in the domestic economy of our forefathers. There is (I may add) a cross-reference from *Steel* to *Sugar of steel*, where this term is queried, "an oxide or chloride of iron." It was prepared by boiling iron filings with double their weight of white sugar until the iron was encrusted without running into lumps.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

12/63. "Beefex" meat-extract	8/98. Booth's water-purifying tablets.
9/40. Dr. Manner's nerve-nutrient.	15/19. "Flowers of India" perfume.
11/47. "Grocas de Val."	15/25. "Mascar" brushes.
12/70. "Chiro" corn-extractor.	
251/29. Purdie's fluid sulphur.	

### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Antimony oxide, 244/32	"Mira" atomiser, 251/47
Cuticura preparations, 4/21	"Pyxol," 8/51
"D. & R." cold-cream, 252/260	"Rosa-togen," 6/33
Gumming-machines, 248/52	Sponge-bags, 232/21
Hales, Dr., Vin Sanguis, 234/54	Tucker's asthma-cure, 251/32
Kennick's mincing-machines, 232/65	and 251/30
	Wrist-straps, 239/3



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- **Sanitas Sypol** (Improved Lysol).
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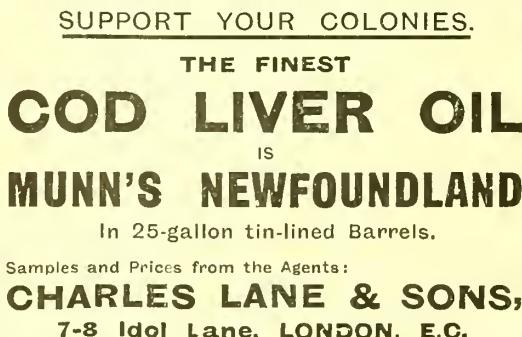
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There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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## Editorial Articles.

### Spirituous Medicines Controlled.

One of the most astounding and perplexing Government orders affecting drug-trade interests is that passed by the Central Control Board and gazetted last week (see p. 34). The terms of the order are sufficiently precise to show that when a medicated wine or spirituous medicine is sold on licensed premises it must be labelled with the amount of proof spirit which it contains. To this extent the Central Control Board has put into force the recommendation of the Select Committee on Patent Medicines, viz.:

"That every medicated wine, and every proprietary remedy containing more alcohol than that required for pharmacological purposes, be required to state upon the label the proportion of alcohol contained in it."

It is apparent that sales on licensed premises are alone affected, and that a chemist who has not an "off" wine, beer, or spirit licence is not touched by the order as regards the sale of alcoholic preparations of the (b) class, but if he happens to hold, say, a wine-licence, the order requires him to see that the medicated wines and certain spirituous medicines that he sells are labelled with the amount of proof spirit that they contain. The spirituous medicines to which this does not apply are (1) those of the B.P. and British Pharmaceutical Codex; (2) those dispensed according to a medical practitioner's prescription; and (3) those made up in medicine and sold by

medical practitioners or chemists and druggists. Unqualified persons are thus excluded from the third exempting provision. The order will be enforced from Monday, August 7, and it will be noticed that 3 (b) apparently puts the onus on the trader of seeing that the proof-spirit labels are used when required. This is the first time that the Government of this country has applied the principle of the alcoholic statement to the sale of spirituous liquors, and a beginning is made with spirituous and vinous medicines because these are supposed to defeat, in a measure, other regulations or schemes which the Control Board have made in respect to intoxicating liquors. The Order is final in respect to the fact that its terms were carefully considered by the Board, the Pharmaceutical Society being consulted in regard to it, and unless the Order can be usefully altered it will remain in force during the war. Trade troubles of a quite honest nature are bound to arise if the Order is strictly enforced; for example, there are only three weeks in which all concerned have to ascertain the percentage of proof spirit in any article touched by the Order, and to label it as required—which is the retailer's duty in all circumstances, especially in respect to his actual stock. Medicated-wine manufacturers will no doubt explain to the Central Control Board the actual difficulties in the way of carrying out the proposal on August 7, but licensed retailers should be prepared to label all Class (a) and Class (b) articles, a small supplementary label being used. In the case of proprietary articles *this label must be placed on the bottle containing the preparation*; difficulties and troubles will arise, but some solution of these may be discovered before our next issue.

### British Trade.

THE Board of Trade Returns of Imports and Exports have now reached a point where a half-year of peace-trade can be compared with the trade during a similar period of war. We get the figures from the Returns published since our last issue. We confine our observations to the figures for 1914 and 1916, adding some statistics as to quantities and values of chemicals and drugs for the same periods, these epitomising the effects of war conditions. The imports and exports values for the two half-years were as follows :

	Imports	Exports (British)	Re-exports	Total Exports
1914 ... ...	£ 375,903,507	£ 255,457,611	£ 59,276,416	£ 314,734,027
1916 ... ...	474,201,166	271,807,881	54,121,101	295,928,982

The value of exports dropped by eighty millions in the first six months of last year, and has recovered sixty-one millions since, but quantities were not affected proportionately. The next table deals with the kinds of goods :

	Imports		Exports (British)	
	1914	1916	1914	1916
Food, drink, and tobacco ...	£ 135,771,868	£ 208,313,207	£ 14,410,442	£ 14,676,190
Raw materials and articles partly manufactured ...	139,382,698	164,476,943	34,157,286	30,720,944
Articles wholly or mainly manufactured ...	99,012,490	99,683,757	201,643,772	187,051,951
Miscellaneous and unclassified ...	1,706,001	1,727,259	5,246,111	9,358,796
Total ...	375,903,057	474,201,166	255,457,611	295,928,982

Imports in the first half of 1915 were valued at 428,859,882<sup>l</sup>. and exports at 183,622,288<sup>l</sup>. Re-exports of foreign and Colonial merchandise were valued in the 1914 period at 59,276,416<sup>l</sup>; they dropped by eight millions in 1915, and have now recovered to 54,121,101<sup>l</sup>. It is obvious from all the figures that our export merchants are handling almost as much money values as they did in peace-time, and the importers are doing remarkably well. The figures for drugs and medicines imported and exported are given in the next table :

	Imported 1916		Exported 1916	
	Quantity	Value	Quantity	Value
Peruvian bark ...	15,224 cwt.	69,211 <sup>l</sup> .	—	—
Quinine and its salts ...	2,141,272 oz.	312,716 <sup>l</sup> .	841,142 oz.	111,607 <sup>l</sup> .
Opium, dried and powdered in U.K. ...	—	—	24,208 lb.	43,598 <sup>l</sup> .
Unenumerated (or othersorts)	—	1,561,431 <sup>l</sup> .	—	1,840,026 <sup>l</sup> .

Re-exports of bark were 4,797 cwt. (19,641<sup>l</sup>), quinine 155,590 oz (37,774<sup>l</sup>), and unenumerated articles 477,381<sup>l</sup>.

In the first half of 1914 the quinine imported was 909,570 oz., and the value 46,043<sup>l</sup>. The price has risen greatly since, and we are getting much more. The opium figures are remarkable, for they are three times greater than the 1914 figures; prices have about doubled since, but in supplies we are independent of Turkey and her allies.

### Table-waters Duty.

WE published a note in THE CHEMIST AND DRUGGIST, June 24 (p. 37) regarding the uncertainty as to whether distilled water is liable to table-waters duty. At that time the Board of Customs and Excise could not supply a definite opinion on the matter. The subject has since been raised in Parliament by Mr. W. S. Glyn-Jones on the Committee stage of the Finance (No. 2) Bill, when it was sought to have the matter placed beyond doubt by a definite clause in the Bill. Mr. Montagu treated the question as irrelevant, but Mr. Glyn-Jones, as announced last week (C. & D., July 8, p. 40), again raised the matter as reported on p. 48. The Board of Customs and Excise have now furnished us with the following ruling in regard to the question :

(1) Aerated distilled water kept for sale or sold for any purpose is chargeable with duty.

(2) Non-aerated distilled water will not be charged with duty unless it is sold or kept for sale as a beverage. The limitation of duty-free distilled water is now clear, and we suggest that in the few cases where customers require unaerated distilled water for drinking-purposes it will simplify matters if the aerated variety is supplied, as this by vigorous stirring can readily be converted into still water.

### German Overseas Trade.

THE "Lancet" (1916, II., p. 69) publishes a circular sent out by the New York house of the Farbwerke-Hoechst Company, which states that the Allied Governments have consented to allow the unmolested passage of a quantity of salvarsan, neosalvarsan, and novocain. The "Lancet" found on making inquiries that no permits had been given since last December in regard to the syphilis-remedies and since January for novocain. The mystery is, however, explained by the arrival at Baltimore of a submarine from Germany, of whose impending visit Germans in the United States were apparently aware. The submarine is stated to have on board 375 tons of drugs and dyes, and the arrival of the boat is heralded by the Teutonic Press as evidence of German "cleverness." To most people outside the Central Empires it will appear merely as a fine demonstration of the efficacy of the blockade of Germany maintained by the Allies, apart from

the fact that we have had quite a lot of submarines made in Canada and sent over here many months since. This created the precedent.

#### New Spirit Tables.

NEW tables for ascertaining the strength and the weight per gallon of spirits, together with a supplemental hydrometer, termed Sikes's "A" hydrometer, for use in ascertaining the strength of spirits outside the range of the ordinary Sikes's hydrometer, were authorised by Section 19 of the Finance (No. 2) Act, 1915. These will be brought into use for all revenue purposes (except in assessing duty on foreign wine) on August 1. A notice to this effect is being given to distillers and other dealers in spirits. The spirit tables are published by Wyman & Sons, Ltd., in two volumes at 4s. and 1s. 6d., and are expected to be on sale this month. The new tables have been drawn up in consequence of the slight inaccuracies known to exist in the tables which were legalised under the Spirits (Strength Ascertainment) Act, 1818, and have been in use ever since. The differences are generally of small amount, and are not expected to have much effect on the charge for duty, as in some cases there is a slight increase and sometimes a diminution in the figures. In regard to wines, the date when the tables are to come in force is January 1, 1917. This postponement has been made so that wine-makers abroad may have ample notice of the intention to use the new tables.

### Pharmaceutical Society of Great Britain.

#### Afternoon Meeting.

WHAT was variously referred to as an "uplifting" a "revival" and an educational meeting was held at 17 Bloomsbury Square, London, W.C., on July 12. Mr. Edmund White, the President, was in the chair, supported by Mr. W. J. Uglow Woolecock and Mr. J. Rutherford Hill. There were about fifty chemists present, mostly those who had attended the Conference in the morning.

The PRESIDENT opened the proceedings at 3.30 by mentioning that the meeting was called at the instigation of Mr. W. Kirkby, Manchester, who desired to bring before chemists for discussion his ideas on the advancement of pharmacy. The President added that the Council is in entire sympathy with the desire for improving the education of chemists, and the time has arrived when the views of the members should be obtained on the matter. Medical science is developing on new lines, and it is agreed that pharmacists must develop education so as to follow the lead and maintain their usefulness to the public. The only matter in doubt is as to the methods to be adopted, and what is now required is an indication of the views of chemists. He added that if money is needed the Society is prepared to spend it in furthering the agreed-upon policy.

Mr. W. KIRKBY then read a paper entitled "The Outlook for Pharmacy." He said the present is a suitable time for bringing forward for discussion a scheme for developing pharmacy so as to decide upon a definite policy. He then classified the views of different classes of pharmacists, and added that the promoters of the present forward policy are no visionaries. In the future monopolies will be of no avail; it will be only expert services which will count. Developing this idea, he contended that chemists should be prepared to undertake all the analytical work entailed in the preservation of the public health. They should also be able to undertake the simpler microscopic and haemato-logical problems that come within the scope of medical practice. Unless this is done by chemists another class of assistants to medical men will arise who will take the place of chemists. He suggested the formation of a voluntary body of men to devise and carry out an educational scheme which would fit pharmacists for this work.

Mr. H. WIPPEL GADD followed with a paper on "How to Obtain Public Recognition for Pharmaceutical Education," in which he remarked that education brings its own reward in the mental development of the person educated, but when intended as a preparation for a specific calling it must also be considered in its effect upon the relation of that calling to the body politic. The best means of securing public recognition of the standard of such education would seem to be the one way by which practically

all classes of professional men obtain public recognition—namely, the exercise by a corporate body of disciplinary powers over its members. This power exists in the medical profession, the legal profession, and even in the Stock Exchange. The Pharmaceutical Society can remove any person from its membership, and the Privy Council can erase from the Register the name of any chemist guilty of offences against the Act of Parliament, but this power has seldom, if ever, been exercised. The only chance of uplifting pharmacy is to be found in the Pharmaceutical Society obtaining disciplinary powers over all whose names appear on the Register of Chemists and Druggists, but not with a view of preventing registered men from entering the service of corporate bodies.

Miss M. E. BUCHANAN discussed the question whether pharmaceutical education as at present carried on met the needs of the craft. Two voices spoke to teachers: one said, Do not lay stress on scientific subjects, do not speak of bacteriology, but let students specialise in bookkeeping, business training, and window-shows; whereas the other appealed for professional training. Both classes will always be with us, and training should include what both classes need and want. There must be an irreducible minimum for all, but there should also be optional subjects. Pharmaceutical education must always be a compromise. She summarised her recommendations thus:

(1) A Conference of business men and teachers to decide what training was essential. (2) An elastic curriculum. (3) Increased facilities for obliterating distinctions in the training of boys and girls—hitherto the former had more practice than theory, and the latter more theory and less practice. (4) Optional and alternative subjects in the Pass examination. (5) Change the title of the examination.

Mr. JAMES GRIER, M.Sc., said that the idea of one qualifying examination, with the abolition of the unfortunate designation "Minor," had much to recommend it, but there would still be earnest souls with the motto "Excelsior," and it would be necessary to cater for such. If the training in physics, chemistry, and botany be taken at a recognised public institution there should be little difficulty in qualified pharmacists taking the A.I.C. in food and drugs and qualifying as public analysts. It might even be possible for the Pharmaceutical Society alone, or in conjunction with the Institute of Chemistry, to devise a special course to include bacteriology, toxicology, blood, water, milk, urine, and drugs analysis, etc. He did not approve of any pharmacist undertaking higher work of this character unless he was prepared to undergo the same training as those who are now doing it.

Mr. P. A. W. SELF, B.Sc., F.I.C., spoke on "The Relationship of Science to Pharmacy in Pharmaceutical Education." He said most of their troubles had arisen from deficiency of the training of pharmacists. A scientific education is not necessarily academic, and pharmacists should have a scientific as well as a business training. There should be a compulsory curriculum concurrently with the business training of the apprentice, with an Intermediate examination, and later a Qualifying examination. The Minor examination was very trying, and its division was desirable. He was opposed to an Assistants' examination, for the demand would soon follow for their full recognition, and he was also opposed to optional subjects. Advanced education might include microscopical examination of vegetable drugs and bacteriology, though he was doubtful of this, as the doctors had already captured it.

Mr. H. SKINNER, Ph.C., read a paper on "Pharmacy and the Public Services." During recent years there had been a changing in pharmaceutical values. Pharmacists no longer prepared their galenicals, and with these had disappeared the technical training of apprentices. His only quarrel with it was that our method of educational training had not yet been adapted to balance the deficiency. There had also been a change in medical values, the drug bill decreasing, while the patients increased. The pharmacist in charge of an institution was required to know a great deal more than about drugs and chemicals. He must understand surgical supplies, dressings, and sterilisation, sanitary analysis, serums, vaccines, stains, culture-media, micro-biology, organo-therapy, photography, x-ray work, toxicology, and the analysis of foods. He has little to do with dispensing, save as an expert when difficulties arise. To waste time and money on booming dispensing is like spending money on barren land. There was a trying time in store for them in the public service, when, in addition to the Apothecaries' Hall they would find the market flooded with dispensers, of a sort; and, if they had any vision at all, they must make good the defect in weakened apprenticeship by adequate and efficient training.

Mr. F. W. MARCH, Adjutant of the Pharmaceutical V.T.C., said one of the chief objects of the Corps was the raising of the status of pharmacists in the Army. The

subjects which were necessary included first-aid, hygiene, hospital organisation, and bacteriology, so that they were ready to take up the position of officers whenever the authorities thought fit to recognise pharmacists. He recommended a Preliminary examination equal to the London Matric., a three years' curriculum at a School of Pharmacy, optionally in place of apprenticeship, and an Intermediate examination in chemistry, dispensing, business knowledge, hygiene, and human physiology. For the Final examination he would substitute bacteriology for botany, analysis of water, food, air, and soil, standardisation of disinfectants, and radiography. He would make membership of the Pharmaceutical Society compulsory, and the Society should have control over members and remove them from the Register for infamous conduct.

Mr. R. CECIL OWEN, B.Sc., whose paper was read in abstract by Mr. Woolcock, first discussed what is meant by progress, and how we were to decide philosophically what is and what is not true progress. Pharmacy's only hope for progress was by a more stringent system of examinations, and education must precede any pharmaceutical development, otherwise there could be no progress inside the four corners of pharmacy. The present Minor and Major regulations were out of date, and they must be adapted to the changing needs.

Mr. MARTIN MELDRUM, Ph.C. (Ayr), also sent a communication, which was summarised by Mr. Woolcock. The purpose of pharmaceutical education was to equip them for the business they were to undertake, and there was no evidence that the training of pharmacists was insufficient to enable them to carry out the work entrusted to them by the State—namely, Insurance dispensing. There were two fields of scientific work that might be added to the Major—the analysis of food and drugs and bacteriology. He would give Majors the degree of Bachelor of Pharmacy. The case for a stiffened Minor examination had not been proved. Its value would be increased by division, and there was no reason why this should not be done at once.

Discussion having been invited,

Mr. JOHN NOBLE (London), reviewing some of the utterances of the speakers, said the Society was not democratic so long as co-option prevailed. He was in favour of specialisation and optional subjects, and of the immediate calling of a Conference, as suggested by Miss Buchanan.

Mr. PILKINGTON SARGANT (Leeds), speaking of the encouragement of the professional spirit among pharmacists, said the main cause of disagreement was what is meant by "professional spirit." This was not an environment, but a state of mind, the spirit in which they did their work. What was wanted was not a revision of the subjects of examination, but a revision of the methods of teaching. Bacteriology as a financial proposition was impossible, as at present doctors could get a sputum reported on at a University for a shilling. As a hobby bacteriology was admirable. Optional subjects must not traverse foreign ground such as optics or dentistry or any profession but their own. In future they must rely more on the training than on the result of a few hours' conversation with examiners.

Mr. HOBBS (Tunbridge Wells) thought it was quite time there should be some uplifting. What can the pharmacist do more than he is doing with his present qualifications? He pointed out that the best of their men went out of pharmacy, and spoke of the want of reciprocity and recognition with other educational authorities. One of their greatest failings had been the sacrifice of principle to expediency. Incidentally he referred to the condition of the lecture-theatre as a disgrace to the Society.

Mr. HIGHAM (Tooting), who said it was half-a-century since his voice had been heard in that theatre, spoke of the pharmacist as an expert in his own domain, a co-worker with the medical man, and enjoying the esteem and confidence of the public, and advocated the separation of prescribing from dispensing. He suggested that the Society should institute a canvass to ascertain who are in sympathy with the object of the meeting.

Mr. EDMUND JONES (Hanley) thought there should be co-operation between pharmacists and other educational bodies, and he approved Mr. Meldrum's idea of B.Ph. for the Major. He would like apprentices to get to classes during the day, as he did when he was apprenticed with Duncan, Flockhart & Co.

Mr. J. R. YOUNG (Warrington) believed that a case had been made out for the uplifting of pharmacy. An iconoclastic spirit was prevalent. A lot of our men were terribly afraid of knowing too much, and there were deliberate assaults on our qualification. They must keep up the standard of their qualification, and try and get entrants of better social status. He was continually confronted with the plea of the difficulty of the Preliminary examination,

but he instanced a school where 600 boys and girls took the Oxford and Cambridge Local Exams.

Mr. FAIRWEATHER (Sydenham) said they were suffering for the Judge-made law of 1880. All dispensing should be done by those specially qualified to do it, and arrangement come to with the B.M.A. regarding dispensing and prescribing.

The PRESIDENT (Mr. White) said the Council would carefully consider the matter, and would submit the proposals to the Local Associations for discussion. On the motion of Mr. KIRKBY, a hearty vote of thanks was passed to the President.

## Examination Results.

WE have received from the Registrar the following list of persons who were granted Major and Minor certificates at the recent examinations held in Edinburgh and London:

### EDINBURGH.

#### MAJOR EXAMINATION.

MacPherson, David O., Glasgow ; Todd, James Prior, Glasgow

#### MINOR EXAMINATION.

Barker, John A., Glasgow	Noble, Helen B., Galashiels
Beiles, Jas., Pretoria, S.A.	Owens, Jas., Bishop Auckland
Benzie, Annie R., Insch	Reid, William S., Banchory
Chisholm, Jas. O., Hawick	Robb, William, Glasgow
Cunningham, Janet R., Cambuslang	Sachs, Somah, Pretoria, S.A.
Kirk, Andrew, Kirkcaldy	Smith, Margaret D., Mauchline
Love, Sybil D., Bradford	Stewart, Dorothy G., Kirkintilloch
McNab, Thos., Airdrie	

### LONDON.

#### MAJOR EXAMINATION.

Jephcott, Harry, London

Roberts, Philip B., Bolton

#### MINOR EXAMINATION.

Abbott, Ruby, B., Bridgend	Hughes, Lizzie, Penmaenmawr
Alberman, Albert, Nottingham	Hughes, T., Wimbledon
Atkins, S. H., Stanstead Abbotts	Israel, S., Johannesburg
Bills, Dorothy A., Kinver	Jago, C. G. T., Bodmin
Bowdage, Chas. I. H., Llandudno	Jones, M. L., Aberystwyth
Bowler, E. E., Belper	Kirk, A., Chesterfield
Brand, T. H., Whitby	Lambourne, H., Paddington
Brindle, F., Bolton	Lord, R. C., Grimsby
Budd, Edith M., Blackheath	Mellor, G. H., Derby
Butterworth, J. W., Halifax	Montague, Fredk., Iquique
Clayton, Thos. J., Aberystwyth	Owen, Wm. J., Port Dinorwic
Davies, Gwilym, Gowerton	Page, David, Leicester
Davy, S. D., W. Dulwich	Parkin, W. H., Birmingham
Elwood, T. H., Brigg	Pearson, H. F., Birmingham
Epstein, Hyman, Manchester	Peters, John E., Pietermaritzburg
Fletcher, Frank, Lincoln	Purell, A. R., Ramsey
Francis, S. E., Charlton	Purdon, Louisa, Hull
Freeman, Harry, Dalston	Rawson, F., Liverpool
Gaiger, J. E., St. Cross	Retter, J. S., Swindon
Graham, Hazel D., Camberley	Roberts, Ivy, Winnerton
Gregory, Doris, Hampstead	Smith, Cecilia, Waddon
Hanks, H. G., Swindon	Smith, Winifred I., Ebley
Hartley, Geo. V., Queenstown, S.A.	Sparling, Ellen E., Leigh-on-Sea
Hebbethwaite, F., Hull	Thomas, G. L., St. Helens
Hornby, T. R., N.Isl.	Thomas, R. G., Loughor
Hough, Wm. I., Hyde	Thorpe, C. W., Spalding
Hubble, C. C., Melbourne	Tiernan, W. S., Boscombe
	Williams, H. R., Wednesbury

**PREVENTING MEDICINE MISTAKES.**—"The Lancet" refers to a device which has for its object the prevention of poisoning mistakes in the sick-room. It consists of a sheath fitting over the medicine-bottle and provided with a clock-dial for indicating the times when the medicine is to be taken.

**CULTIVATION OF DRUGS IN AUSTRALIA.**—Mr. J. H. Maiden, F.R.S., dealing with this subject in the "Agricultural Gazette of N.S.W.," describes how perfumes are made from flowers, and states that lobelia, broom, belladonna, henbane, digitalis, dandelion, chiretta, rue, horehound, and aconite are suited for the cooler areas of New South Wales, squill, savin, and buchu for the coastal areas, and senna for tropical parts.

**VETERINARY CHEMIST** is a title which every registered chemist and druggist may use. It means that the chemist may sell remedies for cattle, horses, pigs, sheep, goats, dogs, cats, poultry, or other domestic animals. "Veterinary Counter-Practice" is a treatise on the diseases of animals and the most suitable remedies for them. It is published by the C. & D., and a new edition (the seventh) is ready. It contains nearly 450 pages and costs 4s. 6d., or by post 4s. 11d. Get a copy now from your wholesale house, or from 42 Cannon Street, London, E.C.

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Inquiry at Grimsby.

The Insurance Commissioners held an inquiry at Grimsby Town Hall on July 7 into a representation by the local Insurance Committee that the continuance of Mr. Charles Henry Ashton, Ph.C., 342 Wellington Street, Grimsby, on the list of persons supplying drugs, etc., to insured persons was prejudicial to the efficiency of the service of the insured. The Committee of Inquiry consisted of Mr. J. Fischer Williams (barrister), in the chair; Mr. F. Pilkington Sargeant (Leeds), a member of the Council of the Pharmaceutical Society; and Mr. Sands, Clerk to the Nottingham Insurance Committee. Mr. E. Ben Chapman, Clerk, appeared for the Grimsby Insurance Committee, and Mr. Ashton was represented by Mr. John Barker.

In opening the case for the Insurance Committee, Mr. Chapman said the complaints against Mr. Ashton were in respect of a number of prescriptions that had been altered. In several cases the amount of petroleum emulsion prescribed had been altered from 12 oz. to 6 oz. Only the smaller amount was supplied to the insured person, but the amount contained in the prescription was charged for. In one instance 4 lb. of linseed-meal was prescribed, and Mr. Ashton falsified the prescription to 14 lb., although only 4 lb. was supplied, while in another case glycerin was added and charged for. Mr. Chapman said he understood that the excuse offered was that Mr. Ashton was dissatisfied with the Drug Tariff, and he desired to court inquiry by this method. This happened as late as December in 1915, however, and Mr. Ashton knew very well, being the Secretary of the Grimsby Pharmaceutical Committee, that on January 1, 1916, an entirely new system of charges would come into force. He also knew that the question of overcharges could not possibly be gone into until the 1915 Tariff ceased, so that if it was a question of getting the Tariff altered he could not have chosen a more inconvenient or more impossible time.

Mr. Barker intimated that his client admitted the complaints, and therefore only one witness was called. He was Mr. James Alexander Hawdon, the Chairman of the Grimsby Pharmaceutical Committee, who deposed that Mr. Ashton made the alterations in the prescriptions without the knowledge, authority, and approval of his Committee.

On behalf of Mr. Ashton several witnesses as to character were called, including the Mayor of Grimsby (Alderman T. C. Moss, J.P.) and the Chairman of the Grimsby Watch Committee (Alderman R. W. Roberts, J.P.). Mr. Ashton also gave evidence. He said he had been in business for eleven years, and he was Secretary of the Grimsby Pharmaceutical Committee. Certain complaints were made to the local Insurance Committee by the chemists regarding the price of drugs, etc., but as nothing was done he commenced to make the overcharges complained of in the hope of causing inquiry and obtaining redress. He admitted that the Pharmaceutical Committee had no knowledge of what he was doing, but he made the alterations quite openly. In cross-examination by Mr. Chapman, Mr. Ashton denied that he had stamped the prescriptions in such a manner as to obliterate them and prevent them from being properly checked.

After Mr. Barker had addressed the Committee on behalf of Mr. Ashton the inquiry closed, and it was stated that the decision of the Commissioners would be announced in due course.

### Reports from Local Centres.

#### ENGLAND.

**Bolton.**—At the meeting of the Insurance Committee, the Medical Benefit Sub-Committee minutes referred to a circular from the Commissioners respecting the position of dispensing employés of Boots, Ltd., under the Derby scheme and the Military Service Act. The Clerk said the employés of Boots, Ltd., had already been dealt with by the Sub-Committee and the Pharmaceutical Committee. It was recommended the Clerk supply the Insurance Commissioners with the requisite particulars of such dispensing employés of Boots, Ltd., as are employed at branch-shops on the panel, and the considered advice of the Committee in each case.

**Bradford.** The Insurance Committee's offices are to be removed from the premises in King's Arcade, Market Street, to Manor Row, Cheapside.

**Dudley.**—At a meeting of the Insurance Committee, the General Purposes Committee reported on the steps that had been taken to obtain exemption from military service for panel chemists. Couneillor Fullwood mentioned that it has been found necessary to reorganise the staff of the Birmingham Pricing Bureau. Alderman Cook referred to the stock-mixture question, and said the difficulty is to get the ingredients for mixtures and to arrange for staff to make them up.

**Holland (Lincs).**—At the meeting of the Insurance Committee at Boston on July 3, a discussion took place regarding the non-payment of chemists' accounts, and Mr. Cheshire moved a resolution that a Sub-Committee be appointed to deal with the matter. The Committee, however, decided that no useful purpose could be accomplished, and the resolution was by leave withdrawn.

**London.**—A meeting of the Pharmaceutical Committee was held at Bank Chambers, High Holborn, W.C., on July 11. Mr. C. Breese was appointed a member of the Committee to fill the vacancy occasioned by the resignation of Mr. W. H. Goy. A vote of thanks was accorded to Mr. Goy for his past services. The following appointments were then made for the ensuing year: *Chairman*, Mr. A. R. Melhuish; *Vice-Chairman*, Mr. J. A. Thompson; *Secretary*, Mr. G. A. Tocher. The representatives on the Pharmaceutical Service Sub-Committee of the London Insurance Committee were re-elected. A vote of thanks was accorded to Mr. A. H. Jenkin for the excellent manner in which he had discharged during the past year his duties as Chairman of the Committee under exceptional circumstances. The Committee decided to accept the proposed settlement of 1915 drug accounts and instructed the Secretary to inform the Insurance Committee accordingly. The Secretary reported, among other matters, that the new address slips issued by the Insurance Committee for the purpose of submitting accounts were designed to facilitate the pricing and thereby expedite payments. It was pointed out that it would be of great assistance in dealing with the large number of accounts if chemists would stamp their name and address with a rubber stamp in the left-hand corner of the slip and insert in the right-hand corner their account number. The next meeting was fixed for September 12.

**Reading.**—On July 5, the Insurance Committee received a return in regard to military service, from which it appeared that 50 per cent. of assistants occupied locally in dispensing in August 1914 are serving with the Colours; and applications are to be made to the local Tribunal for the exemption of four chemists and eight assistants.

**Shipley.**—At the meeting of the District Insurance Committee on July 6, Alderman H. Dunn reported that the result of a visit by himself and another member of the Committee to Mr. Harry Robinson, the only chemist in Baildon—who had intimated his intention to discontinue Insurance dispensing in the absence of his son on military service—was that Mr. Robinson had found himself able to continue the work.

**Suffolk.**—The average cost of the 1915 prescriptions was 9.07d. each.

#### SCOTLAND.

**Pharmaceutical Standing Committee.**—Circulars are being sent out which indicate that the Committee is endeavouring to arrive at a proper basis for establishment-charge and the cost of dispensing Insurance prescriptions. Appendix VI. of the Drug Tariff has also been sent out, from which it appears that thirty-two drugs are altered in price. Sixteen of these are reductions, but several others, such as caffeine, guaiacol carbonate, phenacetin, resorcin, and trional, are advanced in price. Hints are given in regard to supporting claims for exemption from military service.—At a meeting of the Committee on June 21 it was reported that the figures for 1915 drug accounts are incomplete, but the money will suffice to pay all chemists' accounts with two exceptions. The capsule-pricing matter recently reported by the *C. & D.* was referred to, and the Commissioners were asked to allow 1d. per dozen for dispensing capsules as in the case of cachets. The Committee also received a report on prescriptions dispensed in January-May 1916, compared with 1915, the figures showing a decrease of 27 per cent. in number and 19 per cent. in value. The Departmental Committee's Report was discussed with a view to bringing the matter before the General Council of Panel Chemists in August.

**Argyllshire.**—The Insurance Committee has issued the following list of emergency drugs and appliances as approved by the Scottish Insurance Commissioners:

1 dozen assorted bandages selected from the various kinds and sizes listed in the Tariff, excluding flannel, indiarubber, and plaster-of-Paris bandages; 1 half-roll gauze selected from any one of those on the Tariff list; 1 lb. boric lint; 1 lb. cotton-wool;

1 qr. yard guttapercha tissue; 1 reel of plaster strapping, 10 yards length, selected from the following sizes: 1-in. width 2s., 2-in. width 3s. 6d., 3-in. width 4s. 9d.; 4 oz. liq. cresol, sapon.; 1 oz. powdered boracic acid; 4 oz. acid. carbol. liq.; 2 oz. tinct. iod. mit.; 2 dr. 5-per-cent. solution of cocaine hydrochlor.; 1 tube each of 20 hypodermic tablets: strichnine sulphate, 1/100 gr., 6d.; morph. sulph., 1/4 gr., 8d.; apomorph. hydrochlor., 1/10 gr., 6d.; morph. sulph., 1/4 gr., atrop. sulph., 1/150 gr., 8d.; ergotinine citrate, 1/100 gr., 8d.; digitalin., 1/100 gr., 6d.; strophanthin, 1/500 gr., 8d.; hyoscin hydrobrom., 1/100 gr., 6d.

[Compare with the Edinburgh list, *C. & D.*, June 3, p. 40.]

**Dundee.**—On July 5 the Insurance Committee approved the action taken by the Medical Benefit Committee in regard to a panel doctor who had prescribed for a person on the list of another doctor, and recommended that the doctor should be surcharged the cost of the drugs. Mr. William Bell said the chemists had not been paid in full for 1914, but the doctors had. There is still a balance of £134/- to the chemists for that year, which is equal to about 2½ or 3 per cent. So far as the Committee is concerned, however, the whole of the money received from the Commissioners has been paid. Nothing has been kept back, and it is hoped there are still some credits to come.

**Falkirk.**—The Insurance Committee has decided, in regard to the Falkirk doctor who has been fined 50/- (*C. & D.*, June 10, p. 48), to see the Commissioners about it.

## Marriages.

**GIRDWOOD—HAXTON.**—At 22 Airlie Place, Dundee, on July 8, Thomas Girdwood, pharmacist, Arbroath, to Elizabeth Stewart, younger daughter of Mr. and Mrs. Thomas Haxton.

**GRAY—WATSON.**—At St. Mark's, Armagh, on June 21, John W. Gray, Ph.C., eldest son of Mr. John Gray, druggist, to Evelyn, eldest daughter of the late H. A. Watson and Mrs. Watson, Avon Lodge, Armagh.

**MORSON—HODGKINSON.**—At St. John's Church, Blackheath, on July 8, Thomas Dagomet Morson, eldest son of Mr. T. Pierre Morson, F.C.S., and Mrs. Morson, 16 Elsworthy Road, N.W., to Elsa, elder daughter of Dr. W. R. Hodgkinson, F.I.C., F.C.S., and Mrs. Hodgkinson, 89 Shooter's Hill Road, Blackheath.

## Deaths.

**Cox.**—At East Terrace, Evesham, on July 4, Mr. Alfred Cox, aged eighty-four. For sixty years he was associated with the business of the late Thomas New, chemist and druggist, Bridge Street, Evesham, and his successor, Mr. T. E. Doeg, chemist and druggist.

**FRENCH.**—Mr. John French, 122 The Avenue, Starbeck, Harrogate, who died last week in his sixty-fourth year, was for twenty years West Riding traveller for Mr. W. C. Hebdon, manufacturing chemist, Halifax.

**Gow.**—At Coupar Angus, suddenly, on July 9, Annie Scott, widow of James Gow, chemist, aged seventy.

### Died on Service.

**BARRATT.**—Killed in action on July 2, Kenneth Franklin Barratt, younger son of the late Thomas James Barratt (A. & F. Pears, Ltd.), aged twenty-one. Mr. Barratt was an agricultural student, and before his father's death and the outbreak of war he was preparing to go to Canada to begin farm life there.

**CATON.**—Second-Lieutenant F. W. Caton, R.E., who was killed on June 28, was the second son of Mr. and Mrs. E. C. Caton, of Waterloo Street, Hove. Born in 1884, he was educated at Brighton Grammar School. In 1903 he went to Oxford, having won a postmastership at Merton College, and took his degree with honours in science in 1906. He afterwards took the London B.Sc. with first-class honours. For two years he engaged in research work under Dr. F. B. Power at the Wellcome Chemical Research Laboratory, leaving there to take up the appointment of senior science master at Taunton School. In 1912 he was appointed lecturer and inspector under the Staffordshire Education Committee.

**DAVIES.**—Killed in action, Private Robert Davies, Manchester Regiment, formerly with Boots Cash Chemists, Ltd., Manchester, aged twenty.

**HUGHES.**—From wounds received in action, Private Andrew D. Hughes, Royal Fusiliers, son of Mr. Edward Hughes, chemist and druggist, Altringham, aged twenty-two.

**NEWSHOLME.**—Private Thomas Alan Wilkinson Newsholme, only son of the late Mr. G. T. W. Newsholme, Sheffield, died in the Australian Voluntary Hospital, Wimereux, France, on July 1. Pneumonia which followed wounds was the cause of death. He was educated at King Edward VII. School, Sheffield, and entered his father's business nearly four years ago. On the formation of the Sheffield Battalion, 12th Y. & L., he joined with a number of his old schoolfellows. He would have been twenty-one years of age next month.

**ROBINSON.**—Captain F. B. Robinson, Sherwood Foresters, only son of Major and Mrs. W. B. Robinson, of Elm Lodge, Chesterfield, died on July 4 of wounds received on July 1, aged twenty-three. He was educated at Riber College, Matlock, and Uppingham, and afterwards joined his father's firm, Robinson & Sons, Ltd., surgical-dressing manufacturers, Chesterfield. He had been a member of the Territorial Force since he was nineteen. At the age of twenty-one he started on a tour round the world, and was in Australia when war broke out. He returned home immediately and joined his unit, being placed in command of the machine-gun section. He was promoted captain in October 1915.

**WELLS.**—The death occurred on June 22, on active service, of Mr. Wm. F. Wells, 24 Kenilworth Park, Dublin, son of the late James Wells, L.P.S.I., and grandson of the late W. F. Wells, Sackville Street, Dublin, aged thirty-three.

**WRIGHT.**—On June 13, Private Arthur L. Wright, only son of Mr. J. P. Wright, chemist, formerly in business at Burton-on-Trent, now of Vancouver, B.C., killed in action. Mr. A. L. Wright was the nephew of Mr. Herbert Skinner, Ph.C., Great Northern Central Hospital, London.

## Wills.

**THE LATE JOHN MYRDDIN DAVIES.**—pharmacist, Swansca, left estate valued at 1,011l. 6s. 5d. gross.

**THE LATE FREDERICK W. STODDART.**—city analyst for Bristol, left estate of the gross value of 10,456l. 14s. 8d.

**ALDERMAN JOSEPH TERENCE WHITE.**—apothecary, Waterford and Tramore, who died on March 19, left property in England and Ireland valued at 5,973l. 2s. 3d.

**MR. ARTHUR JOHN DICKINSON.**—manufacturing chemist, Brookley, who died on March 4, in his seventy-fifth year, left property valued at 22,054l. 12s. 1d., with net personality 21,992l. 17s. 8d.

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

**MR. CARMICHAEL.**—Captain of the Chemists' Golfing Society, has won outright the cup presented by the Captain of the Wembley Golfing Club.

**MR. E. T. CAZALET.**—director of Sutton & Phillips, Ltd., manufacturing chemists, Stowmarket, has been made a Justice of the Peace for Suffolk.

**MR. W. E. MILLER.**—pharmacist, is taking the place of Miss Flood, dispenser at the Southwark Southern Dispensary, during her absence on holiday.

**THE STEPNEY GUARDIANS.**—have appointed Mr. H. W. Whitelock, chemist and druggist, as dispenser, and the Local Government Board have approved.

**MISS NORA IRENE CHALONER.**—daughter of Mr. H. Chaloner, chemist and druggist, 303 Stratford Road, Birmingham, has received the degree of Master of Arts.

**ERIC G. EVANS.**—son of Mr. G. V. Evans, English and foreign chemist, 23 Hammersmith Road, London, W., has obtained a scholarship at the Upper Latymer Foundation School, Hammersmith.

**MR. H. G. FANSHAW.**—who is Yorkshire representative for Thomas Guest & Co., Ltd., Ancoats, Manchester, has been appointed inspector of shells at one of the Government factories, and Mrs. Fanshaw, is, with the firm's permission, taking part of his Yorkshire journey.

**MR. A. N. McMILLAN.**—formerly of Colombo, Ceylon, has just passed the Final examination in medicine and midwifery for the diploma of M.R.C.S., L.R.C.P., London. Mr. McMillan was with the New Zealand Forces in Egypt and at Anzac, and was recalled to continue his medical studies.

**SIR JOSEPH BEECHAM.**—Bart., proprietor of the Aldwych Theatre, London, last week entertained a number of his business friends at one or other of the operas presented by his son, Sir Thomas Beecham. The orchestra and the company are excellent, and it is seldom that such fine operatic performances are to be heard in London.

## Trade Notes.

J. MURRAY & Co., LTD., 31-33 High Holborn, London, W.C., offer thymol crystals manufactured in India.

INDIARUBBER GLOVES.—New and special forms of these can be obtained from Henry C. Quelch & Co., 4 and 5 Ludgate Square, London, E.C.

UNOFFICIAL MEDICATED WINES.—C. R. Harker, Stagg & Morgan, Ltd., are preparing the necessary labels which can be attached to any stock in hand.

“WHITEAGAIN” is the name of a new straw-hat cleaner, retailing at 2d. a packet, which is made by L. K. Co., 168 Tower Bridge Road, London, S.E.

FLORAL OTTOS.—Burgoyne, Burbidges & Co., East Ham, London, E., specify twenty-one distinct kinds of floral odours which they manufacture. They are supplied in 1-oz. bottles.

AYRTON, SAUNDERS & Co., LTD., Liverpool, announce that their cocoa, sugar, and milk tablets will, in consequence of the reduction of coeo-duty, retail on and after August 1 at 8½d. per tin.

“THE BED-ROCK OF QUALITY” is the title given by Burroughs Wellcome & Co. to their C. & D. advertisement this week. It is one of the most effective designs associated with pharmaceutical products.

M. S. TOLKOWSKY, the London representative of I. L. Goldberg, the only authorised exporter of santonin from Russia, has established a new department for the importation of Russian crude drugs. An advertisement to this effect appears in this issue.

Salvo Petrolia is petroleum-jelly which has been known to pharmacists for many years, and is manufactured and supplied by the Dee Oil Co., Ltd., Delta Works, Bootle, in several forms agreeable to pharmaceutical requirements. The company also manufacture other petroleum products.

VITAVER.—Three new things in regard to this popular tonic food are notified by Southall Bros. & Barelay, Ltd., (1) a new range of advanced prices that came into force on July 1 consequent upon increased cost of materials, (2) a new Press campaign, and (3) new bonuses to those who make Vitafer window-shows. Full details are given in the S. B. & B. advertisement.

## Westminster Wisdom.

By the “C. & D.” Parliamentary Representative.

### DENTISTRY IN THE ARMY.

It was officially announced in the House of Commons on July 11 that the War Office has no reason to think that the British troops are less well served in the matter of dentistry than the Canadians, Australians, and New Zealanders.

### BRITISH DYES, LTD.

Replying to Mr. R. D. Holt, M.P., on July 6, Mr. Harcourt stated that it has been found necessary to utilise part of the plant of some of the makers of dyestuffs for the manufacture of explosives, and the output of the remaining dye-making plant has been adversely affected by the shortage of materials. The production of dyestuffs in this country has made very substantial progress since the commencement of the war.

### SKEECHEN NOT A TABLE-WATER.

In the House of Commons on Wednesday, Mr. J. M. Hogg asked the Chancellor of the Exchequer if he will say why he is including skeechen in the category of table-waters, and subjecting it to a tax and the purveyors to a licence-duty. Mr. McKenna confessed that neither he or his advisers are familiar with the beverage referred to, but inquiry is being made in the light of the information kindly supplied by the hon. gentleman as to its liability to the tax. Mr. Hogg explained that skeechen is a very common drink [? in Scotland], and is sold by old women in small shops in industrial cities. (Laughter.) It is in no sense a table-water.

### DEVELOPMENT OF CHEMICAL-WORKS.

The Gas (Standard of Calorific Power) Bill, after further discussion, was passed in the House of Commons on July 6. Mr. King moved an amendment in regard to benzol and toluol, with the view of showing the cost of production. Sir W. Pearce pointed out that gas-producers are embarking upon chemical operations. He mentioned one company which is considering whether the production of benzol should not be carried on for the production of aniline, and

the production of toluol for the production of trinitrotoluol. The Gas Light and Coke Co. has an enormous chemical plant, quite distinct from the gas undertaking. The amendment was negatived.

### FINANCE (No. 2) BILL.

On Wednesday afternoon new clauses were considered, among them one allowing drawbacks on exports of duty-paid coffee at the rate of 2l. 2s., and on chicory and mixtures of coffee and chicory at the rate of 1l. 14s. 4d. for every 100 lb. This was added. The Chancellor of the Exchequer moved a new clause as follows:

(1) The table-water duty charged under Section four of the Finance (New Duties) Act, 1916, and the duty of Customs on table-waters charged under this Act, shall be reduced in the case of herb-beer so as to be at the rate of twopence per gallon. (2) “Herb-beer” means the beverage usually known as herb-beer or botanic beer, but does not include ginger-beer.

Mr. Glyn-Jones criticised this new clause fully, dealing especially with the fact that if herb-beer is made in a brewery it will pay beer-duty, but if brewed elsewhere it will pay the new rate. He was followed by Mr. Denniss, and Mr. McKinnon Wood, the new Financial Secretary to the Treasury, replied, whereupon Sir J. D. Rees and Sir F. Lowe spoke. Mr. Glyn-Jones rose on a point of order, the Speaker interposing, and the clause was read a second time.

Sir J. Walton next moved to add to Sub-section (2) the words:

“Other than fermented ginger-beer sold direct to the consumer in stone jars, or other receptacles, containing not less than half a gallon.”

A discussion followed. Mr. G. Thorne, Mr. Denniss, Mr. Glyn-Jones, Sir F. Lowe, Mr. McKinnon Wood, and Sir G. Younger also speaking. Mr. Glyn-Jones was critical, one of his questions being, “Why should ginger-beer in a bottle be herb-beer, but if you put it in a gallon or half-gallon jar it is not herb-beer?” Mr. Wood’s reply was “Leave it to the investigation I have promised. It would be better not to distinguish between ginger-beers until we have had a little more experience of the working of the tax.” So the amendment was put and negatived.

Mr. Glyn-Jones’s new clause providing that the duties on table-waters shall not be charged on milk or non-aerated distilled water was not proceeded with, the Speaker ruling it to be out of order, and Mr. McKinnon Wood’s promise to refer the matter to the Special Treasury Committee with instructions to report to him as early as possible with a view to dealing, if they advise action at all, with the question in Parliament without delay met Mr. Glyn-Jones’s point. [See our note on p. 43.] The Customs clause as to herb-beer duties, and income-tax, excess profits, and other clauses were passed later.

The third reading of the Bill will not be taken until Monday next.

## New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

NORTH-EASTERN CHEMICAL CO., LTD. (P.C.)—Capital 30,000. The first directors are T. F. Hoare (managing director), Sir Chas. Langdale Ottley (chairman), and A. G. Haddock. R.O., 34 Bishopsgate, E.C.

T. B. GORMAN & SONS, LTD. (P.C.)—Capital 1,000. Objects: To carry on the business of wholesale and retail grocers, chemists and druggists, etc. The first directors are T. B. Gorman and J. McD. Gorman. R.O., 19 Bridge Street, Bangor, co. Down.

LONDON AND WELSH TRADING CO., LTD. (P.C.)—Capital 10,000. The lines of business include materials, provisions, animals, machinery, chemicals, perfumery, oils, soap, aerated waters, etc. Solicitor, A. C. Hooper, Post Office Chambers, Bute Docks, Cardiff.

DISTILLATES, LTD. (P.C.)—Capital 5,000. Objects: To carry on in England or elsewhere the business of chemists, chemical manufacturers, etc. The first directors are G. G. Jarman, C. K. Richardson, E. V. Chambers, T. C. Hammond, H. P. Hird, and G. S. Jarman. R.O., Minerva Works, Kirkheaton, near Huddersfield.

BRITISH CHEMICAL WARE MANUFACTURERS’ ASSOCIATION, LTD.—A company limited by guarantee, with 100 members, each liable for 10l. in the event of winding-up. The subscribers are: D. H. Baird, H. R. Angel, M. W. Travers (Duroglass, Ltd.), E. Nailsham, C. A. Barnard, G. Vallance, and C. Knight. R.O., 51 Lincoln’s Inn Fields, W.C.

## Some Medicinal Plants of Australia.

By Sidney Plowman, F.R.C.S.

This paper, the only one contributed to the British Pharmaceutical Conference, consisted of a list of plants indigenous to Australia and of value in medicine as follows:

*Acacia*, known as "Wattles." There are several hundred species. *Acacia cortex*, B.P., may be derived from *A. decurrens*, the black wattle, found in Victoria and New South Wales. This and *A. mollissima* contain tannin, and both are largely used in tanning processes in Australia, and may be employed as astringents, either externally or internally. They both yield a gum which may serve as an inferior substitute for gum arabic.

*Alstonia constricta*, *Apocynaceæ*. Queensland and New South Wales. The bitter bark contains several alkaloids. Official in B.P. 1914. Suggested as a substitute for cinchona-bark as a febrifuge.

*Daviesia latifolia*, *Leguminosæ*. Native hop. Very common in Victoria. Bitter, and in local repute "a blood-purifier." Power and Salway found in it a new disaccharide. The real therapeutic value of the drug and its active principle have not been investigated.

*Duboisia myoporoides*, *Solanaceæ*. Queensland and New South Wales. The alkaloid duboisine is identical with hyoscamine. Duboisine was used by the author in the Ophthalmic Department of St. Thomas's Hospital in the eighties as a mydriatic. It acted very powerfully, and the late Mr. Nettleship considered that the constitutional effects produced by it when instilled into the conjunctival sac exceeded those of any other mydriatic.

*Duboisia Hopwoodii*. Queensland. "Pituri," used by aborigines as a stimulating narcotic. Contains a liquid alkaloid, piturine, probably identical with nicotine. *D. Leichardtii* is said to contain "much alkaloid" of a similar nature to that of *D. myoporoides*.

*Erythraea spicata*. Eastern Australia. Very bitter, similar to *E. Centaurea*. The older settlers, from its resemblance to the European plant, gave it the corrupt name of the "Century plant." It is used as a bitter tonic in the form a tea in many localities. Its chemistry has not been worked out.

*Eucalyptus*—many species. Mr. J. H. Maiden, F.R.S., of the Botanic Gardens, Sydney, has already critically revised no fewer than 139 species, but has not completed his work. *E. viminalis* yields a kind of manna. *E. rubida*, a species named by Deane and Maiden, is found in every State of the Commonwealth, excepting Western Australia. It grows at an elevation of 2,000 to 5,500 feet. It yields a manna, in dry seasons only, which falls in grains to the ground and can be gathered under the tree in considerable quantity.

*Euphorbia pilulifera*. Grows in Queensland and other tropical countries.

*Goodenia orata*, *Goodeniaceæ*. Very common in Victoria, where it is called "Native hop" on account of its bitterness. Its real therapeutic value has not been investigated, nor has its chemistry been determined.

*Leptospermum laevigatum*, *Myrtaceæ*. Coastal tea-tree. It is loaded in every part of its above-ground growth with a volatile oil which has not been investigated.

*Metacorea decussata*, *Myrtaceæ*. Common throughout Australia. It has flowers of extreme fragrance, and should yield a volatile oil which might be quite as useful as eucalypt or eucalyptus oil. This species and *M. ericifolia* are known locally as "Swamp tea-tree."

*Xanthorrhœa* species, *Liliaceæ*. Grass-tree of New South Wales. It yields a resinous exudation, known as Botany Bay gum, which is a tonic and stimulant.

## Medical Gleanings.

### Ferrivine and Intramine.

LIEUTENANT-COLONEL L. W. HARRISON, R.A.M.C., officer in charge of the Military Hospital, Rochester Row, London, S.W., and Mr. C. H. Mills, M.R.C.S., L.R.C.P., give in "The Lancet" (I., 1916, p. 1214) an account of a test made recently in the use of ferrivine and intramine in the treatment of syphilis. The conclusion arrived at is that these chemicals are extremely unpleasant in their effects, and that they have no specific effect on early syphilis. The injection causes great pain which lasts for two or three days, and in some cases causes alarming constitutional symptoms and local abscesses. Clinically these two observers were unable to detect any influence of either or both these compounds on syphilitic lesions.

### Cordite Burns.

MR. W. M. ASH AND MR. C. P. G. WAKELEY, two Navy surgeons, publish in "The Lancet" particulars of the treatment that is being adopted in the case of severe burns from cordite. The burned parts of the skin are kept moist with hypertonic saline solution and not covered by dressings at all. If a continuous saline douche cannot be applied the following dressing is applied continuously by means of cotton-wool:

Menthol	...	...	...	2 grains
Eucalyptus oil	...	...	...	3 minimis
Carron oil to	...	...	...	1 oz.

The medical correspondent of "The Times" indicates that this is the result of Sir Almroth Wright's researches.

## Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

**Veratrine Compounds.**—Frankforter and Kritchevsky ("Jour. Amer. Chem. Soc.", 1915, 37, 2567) find that by mixing a carbox-bisulphide solution of veratrine with chloral two additive compounds result. These have the formulae  $2[C_{32}H_{49}O_9N]CCl_3, CHO$  (melting at  $220^\circ$ ), and  $2[C_{32}H_{49}O_9N]_3CCl_3, CHO$ , melting at  $209^\circ$ . Bromal yields a similar compound, melting at  $162^\circ$ , and having the formula  $2[C_{32}H_{49}O_9N]_2CBr_3, CHO$ . By heating to  $140^\circ$  for a few hours the whole of the chloral or bromal is expelled from these compounds.

**Phellandrene Chemistry.**—Francesconi and Servagiotto ("Gazzetta," 1916, 56, 119) state that the essential oil of *Bupleurum fruticosum* yields a nitrosochloride which is almost constant in rotation irrespective of the fraction from which it is obtained. The yield is inversely proportional to the change in the specific rotation of the fraction of the oil employed. Since *alpha*-phellandrene does not yield a nitrosochloride under the experimental conditions employed by the authors, it is practically certain that almost pure *beta*-phellandrene is the variety. The specific rotation, therefore, is confirmed for this terpene nitrosochloride—namely, between  $+140^\circ 30'$  and  $+190^\circ$  values previously published by Pesci, Wallach, and Schimmel. In the higher rotating fractions of the oil *alpha*-phellandrene is present in considerable quantity. The specific rotation of pure *beta*-phellandrene is given as about  $+65^\circ$ .

## Proprietary Articles Trade Association.

THE annual meeting of the members was held at the Holborn Restaurant, London, W.C., on July 13. Mr. H. W. Colley (President) was in the chair, supported by Mr. G. R. Barclay, Mr. W. Edwards, Mr. Sigismund Kutnow, Mr. W. Lane (Manchester), Mr. McCaig (Liverpool), Mr. P. F. Rowsell, Mr. H. Wippell Gadd, Mr. J. G. Atkinson, Mr. John Keall, and other members of the Council. Mr. Glyn-Jones sat on the left of the President, and there was a good attendance of members. The President opened the proceedings by a feeling reference to the death of Mr. C. J. G. Bunker, a member of Council (see *C. & D.*, July 1, p. 39), and Mr. Glyn-Jones afterwards paid an eloquent tribute to the memory of one who had been associated with the P.A.T.A. ever since its foundation. The President mentioned that the membership has now passed the 5,000 mark—a result, he thought, of the numerous meetings held throughout the country. On the suggestion of Mr. Rowsell, a number of letters were read from owners of proprietary medicines which are not on the Protected List, declining to receive deputations from the Council. Mr. Sanger explained the attitude of the Trustees of A. Fennings, who depend upon the income from Fennings' powders for the support of certain charities. Mr. Glyn-Jones made clear the position of the P.A.T.A. in regard to the Local Associations Conference and the forward movement initiated by some London and Middlesex chemists. Mr. W. L. Currie (Glasgow) and Mr. J. Milner (Greenwich) were co-opted members of the Council in place of Mr. J. P. Gilmour (resigned) and the late Mr. Bunker. At the end of the meeting Mr. Glyn-Jones explained the action taken by the Association that morning in regard to the sale of foods at a low rate by Infants' Aid Societies. While not opposing the movement in the interests of the nation, it was felt that manufacturers who supply the foods should see that they are only sold at reduced rates to those unable to pay for them. It was also suggested that a pharmacist should be on each Local Committee of Infants' Aid Societies to see that discrimination is exercised.

## Colonial and Foreign News.

**MEDICINAL PLANTS.**—Consequent upon the action of the Hungarian Pharmaceutical Society, the Hungarian Minister of Agriculture is taking steps to encourage the gathering of wild medicinal plants and the cultivation of similar plants where possible. Gathering of wild plants is to be entrusted to convalescent soldiers and the like.

**THE EXPORT-TRADE.**—The trade in medicinal drugs in Hungary is suffering seriously from the prohibition of the exportation of drugs and medicinal plants. The persons engaged in this trade have sent a request to the Government to be allowed to export to allied and neutral countries chamomiles, linden-blossom, and other medicinal plants which are obtainable in very large quantities.

**REVIEW OF CHEMICAL-INDUSTRY.**—The German "Chemiker Zeitung" published recently a long article on the condition of chemical-industry in Holland, probably to cheer up the German chemical-makers, who have to watch helplessly the steady growth of the manufacture of fine chemicals in the Allied and neutral countries. Holland is making splendid efforts both to secure some of the trade of Germany and to make herself less dependent in future on the Teuton. New sulphuric-acid works have been founded in Holland, but difficulties are being experienced in obtaining raw materials. The manufacture of incandescent-gas mantles is making rapid progress, and the products are being introduced on the English market in place of German goods. Holland produces ramie-fibre, and there are six factories making gas-mantles. These factories are now flourishing, owing to the cessation of German competition, and the exports to England have increased steadily. One factory makes its own thorium nitrate from monazite sand. The Dutch pharmaceutical-industry is in a very satisfactory condition. Many products formerly obtained abroad are being now manufactured in the country. Aniline dyes are being made at two factories, and the enormous advance in the price demanded this year by the German aniline-dye makers has accelerated the foundation of more factories. The "Chemiker Zeitung," however, contends that no country but Germany can successfully manufacture aniline dyes.

**BRITISH COLUMBIA PHARMACEUTICAL ASSOCIATION.**—The twenty-sixth annual meeting and the semi-annual Council-meeting were held in Vancouver City on June 8. In correspondence submitted it transpired that the Hudson Bay Company, which has recently added a drug department to its new store in Vancouver, is not affected by the Act relating to joint-stock companies, and therefore, while amenable to the Pharmacy Act of the province in all other respects, it is not necessary that a majority of the directorate composing the Company shall be licentiates of pharmacy within the meaning of the Pharmacy Act. A very representative convention-meeting was held, with President Lieutenant Frank J. Mackenzie in the chair. The Treasurer's statement showed a balance in savings account of \$2,898.80 and the current year's dues not yet collected. The presidential address dealt largely with the unusual conditions produced by the European war, the great exodus of pharmacists to "the Front," and the commendation of Councillor Emery's amendment to the by-laws of the Association providing for the waiving of all time, save one year, for all students of the Provincial Association at the Front. Stress was laid upon the result of the recent interposition of the Council's Committee on behalf of the Association in the matter of the proposal of the Legislature to place the onus of vending "liquor" upon the druggist in event of the province deciding by plebiscite to have prohibition. The Premier—Hon. William Bowser—had received the deputation, and as a result clauses providing for the appointment of governmental vendors had been inserted in the Bill, which is to be referred to the electorate for its decision at the next General Election. The election of the Council resulted in the return of Messrs. Thomas H. Robinson (Vancouver), Joseph H. Emery (Victoria), and John A. Buckingham (Golden). The amendment to the by-laws proposed by Councillor Emery was carried unanimously, as also his resolution providing for the granting of duplicate certificates to all qualified to receive them in order that every proprietor shall exhibit a certificate in his place of business. At a subsequent meeting of the Council the following officers were elected and appointed: President, Mr. T. H. Robinson, Vancouver, B.C.; Vice-President, Mr. Walter Bews, Revelstoke, B.C.; Secretary, Registrar, Treasurer, Mr. James W. Browne, 500 Main Street, Vancouver, B.C.

**ASHFIELD CHEMICAL CO., LTD.**—Mr. H. F. Hartman, 2 Darley Mill, Bradford, was appointed as receiver or manager on June 29, 1916.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

### 42 Cannon Street, E.C., July 13, 5.30 p.m.

WE cannot report any general improvement in business, although a number of houses state that they are kept busy by demands of a minor nature due to conditions not favouring large purchases. In most instances prices are distinctly in buyers' favour. The new restrictions on jute-bags will not help the export trade. It is certainly a good policy at present to exercise care, as values in a good many instances have yet to find a lower and safer level, although in many instances spot goods are, owing to freight charges and insurance cost, relatively cheaper.

Higher	Firmer	Easier	Lower
Bergamot oil	Oil of lemon	Castor oil	Acetyl-salicylic acid
Camphor (slabs)	Orange-peel (Tripoli)	(English) Peach-kernel oil	Aniseed oil (c.i.f.)
Fenugreek-seed	Tartaric acid		Glucose
Guaiacol carbonate		Turmeric-root (fingers)	Menthol (c.i.f.)
Juniper oil		Milk-sugar	Mint oil (Jap.) (c.i.f.)
Mercurials			Paraldehyde
Phenacetin			Salicylic acid powder
			Starch powder (Maize)
			Tamarinds (W.I.)

### Cablegram.

NEW YORK, July 12.—This market is this week in an active condition. For opium \$11.40 is wanted, and menthol is selling at \$2.35. For peppermint oil \$1.80 is the price. These three articles are steady. Cartagena ipecacuanha is lower at \$1.75, senega firmer at 42c., and copaiba easier at 65c.

### London Markets.

**ACETYL-SALICYLIC ACID.**—The range of prices is 37s. 6d. to 46s. per lb., which is lower than last week, but the cheaper lots need careful testing for chemical purity. At present there is a disposition to cut prices, a circumstance due to the general trend of affairs and somewhat optimistic views in regard to an early peace.

**ANISEED OIL.**—Very slow on the spot at 3s. 5½d. per lb., the c.i.f. price. August-September shipment is lower at 3s. 2d.

**ATROPINE.**—The alkaloid can be bought at 165s. to 170s. per oz., and the sulphate at 160s. In respect of this and other small and precious articles provincial buyers have small reserves which they are willing to realise, and buyers are not too eager.

**BENZOATE OF SODIUM.**—For salt made from toluol acid 22s. per lb. is wanted.

**BERGAMOT OIL.**—Dearer, the e.i.f. price being 16s. 6d. per lb., and 1s. more is wanted for spot goods.

**BORAX.**—Crystals 33s. per cwt. and powder 34s.; boric acid 55s. and 57s.

**BROMIDES.**—Second-hand holders are somewhat firmer this week, but there is no actual change in prices.

**CAMPHOR.**—Japanese refined in slabs is slightly higher at 1s. 9½d., at which a fair business has been done.

**CASTOR OIL.**—English made is much more reasonable, and medicinal in barrels is quoted at 55s. per ewt. This is due to second-hand holders being unable to ship their purchases.

**CINCHONA.**—The N.V. Nederl. Veem here reports that the bark shipments from Java to Europe during June 1916 amounted to 1,000,575 Amst. lb., against 498,000 Amst. lb. during June 1915. The total shipments January-June 1916 amounted to 7,128,134 Amst. lb., against in 1915 4,928,000 Amst. lb.

CITRIC ACID remains quiet, and price more or less nominal at 3s. 8d. per lb.

COCA-LEAVES.—The exports of coca from Java to Europe during June 1916 amounted to 1,230 packages, against 2,032 packages in 1915. The total exports January-June 1916 amounted to 2,457 packages, against 12,955 packages in 1915.

COD-LIVER OIL remains quiet; 1915 Norwegian can be got at 43s. per barrel, although second-hand holders wanted the equivalent of 20s. per gal. for 1914 oil.

CREAM OF TARTAR.—A little lower at 20s. per cwt. for 98.99 per cent.

DIGITALIS-LEAVES.—The new crop, shipment soon as ready, is offered at 107s. 6d. per cwt.

FENUGREEK-SEED.—In better demand, and fair business passing at 14s. 6d. to 15s. 6d. per cwt. The new crop is quoted at 16s. c.i.f.

GENTIAN-ROOT.—Still very scarce on spot; the new crop, in five-ton lots, August shipment, is offered at 72s. 6d. per cwt. e.i.f.

GUAIACOL CARBONATE.—Still very difficult to get, 110s. to 120s. per lb. being wanted.

JUNIPER OIL.—For foreign oil 35s. per lb. is wanted, and 40s. for new English, these showing an advance.

LEMON OIL shows more demand both on the spot and to arrive. Good oil commands 3s. 9d. to 4s. per lb. spot, and a fair quantity at 3s. 4½d. has been sold to arrive.

LIME-JUICE, owing to the unseasonable weather, does not move briskly, and stocks are accumulating. Fair juice is quoted 3s. to 3s. 3d. per gal.

LIQUORICE-ROOT.—Common Natural still remains scarce on spot at 60s. per cwt. Spanish root is quoted to arrive at 51s. 6d.

MARSHMALLOW-ROOT.—The decorticated long root is offered to come forward at 30s. per cwt.

MENTHOL.—A little business is passing on the spot at 11s., and is offered much cheaper to arrive, August-September shipment being quoted at 9s. 3d.

MERCURIALS.—The makers have advanced their prices of all salts except bichloride and mercury and chalk, the lowest rates now being calomel 6s. 5½d. per lb., bichloride 6s. 7½d., red precipitate 6s. 7½d., white precipitate 7s. 2½d., and yellow oxide 6s. 8½d.

MILK-SUGAR has not quite maintained its firmness, and American in barrels is offered at 145s. per cwt.

MINT OIL.—Kobayashi dementholised is offered cheaper to arrive, August-September shipment at 2s. 10d.; spot is quiet at last week's prices.

oIL OF ORANGE (BITTER) is very slow, spot is 11s. 6d. to 12s. per lb., and 10s. 9d. c.i.f.

OILS (FIXED).—Linseed easier forward, pipes being 35s. per cwt. spot, barrels 36s., and September-December 36s. 6d. Rape oil is 48s. to 50s. for English refined; Spanish olive 54s. to 55s.; and cotton in pipes on spot 44s. 6d. for pale up to 52s. and 54s. for refined.

ORANGE-PELL.—Fair sales are reported of the Tripoli finely cut, 1s. 9d. being paid, and there is a little more to be had at the same price; one large holder asks 2s.

OXALIC ACID.—The makers' price is 1s. 9d. per lb. in London.

PARALDEHYDE.—Lower at 11s. per lb.

PEACH-KERNEL OIL.—Easier, 1s. 5d. per lb. being the nominal price for home-pressed oil.

PHENACETIN.—Dearer; 90s. to 95s. per lb. being wanted for the little that can be got.

POTASSIUM IODIDE.—The lowest price for the English salt is 15s. per lb.

QUICKSILVER.—Second-hand holders quote 17l. 12s. 6d. to 17l. 15s. for bottle. We subjoin A. H. Pickering's July statement as to the statistical position:

Imports.					
		1916	1915	1914	1913
June	Bottles	8,000	17	12,087	11,017
January-June	"	28,123	23,646	35,179	39,844
Exports.					
June	Bottles	931	1,073	1,511	2,784
January-June	"	13,224	4,513	11,972	17,652
Average Price.					
June		£16 12 6	£14 12 6	£5 16 0	£7 1 6

QUININE.—Weak, and a still uncertain market, the 3s. standard price being off-set by 2s. 10d. to 3s. 4d., the latter being the London parity for the American figure.

SALICYLIC ACID.—Powder, both English B.P. and U.S.P., seems slipping away, and for 1-cwt. quantities 11s. per lb. would probably be accepted. The soda salt is also lower at 15s. 6d. Twenty barrels of sodium salicylate have arrived from New York.

SARSAPARILLA-ROOT.—Grey Jamaica is offering privately at 2s. per lb.

SODIUM HYPOSULPHITE.—Ordinary is 15l. to 16l. per ton in casks on the spot, and pea crystals 16l. 10s. to 17l.

SPICES.—Comparatively little business was done at the sales yesterday, and prices did not change. Some Aleppy black pepper sold at 8½d. per lb., and 13 cases of Telli-cherry cinnamon sold without reserve at 9½d.

SULPHUR.—The flowers are in good demand and prices steady at 14l. 10s. per ton.

TAMARINDS.—West Indians are lower; 19s. to 20s. per cwt. for fair pulpy, in bond, would be accepted.

TARTARIC ACID has somewhat improved; the crystals are very scarce. Powder in fair demand at 3s. 6½d. to 3s. 7d. per lb.

TURMERIC-ROOT.—Very slow; fair fingers can be had at 38s. to 39s. per cwt.

TURPENTINE.—Advancing, and up to 41s. 10½d. per cwt. has been paid on the spot.

UVA URSI-LEAVES.—The new crop is being offered at 25s. per cwt. c.i.f.

### English Herb-crops.

*Stafford Allen & Sons, Ltd.*, reporting of the crops of their herb-farms at Long Melford, Suffolk, mention that medicinal-herb growing takes much labour, and owing to the shortage of hands at present domestic cultivation has been very much hindered. It is impossible to keep one's crops clean unless there is an abundant supply of men and women near at hand. If the wet summer we have so far experienced continues, it will work against the prospects of the perfume-yielding plants, such as lavender, peppermint, and chamomile, as the flowers cannot come to their best maturity. The following are particulars of the principal articles:

*Aconite*.—Crop good, with promises of fair return, but difficult to get any large plantation, and cost of cultivation very high.

*Belladonna*.—The established plants have grown fairly, but the younger plants have suffered from the abnormally cold weather of June, the seedlings only making very slow progress. The herb so far collected has been of excellent quality, but the crop will be short in comparison with requirements. Small plots of wild plant have been discovered up and down the country, and these will help.

*Herbane*.—The crop looked very promising, but the dry spell in May spoilt the prospects of gathering sufficient leaf to meet the requirements of the B.P. 1914. A fair crop of flowering tops for extract-making has, however, been procured, but not sufficient leaf for B.P. 1914 purposes.

*Chamomile*.—This crop has so far made good growth.

*Lavender*.—Young plants look healthy, and as established plantations have not suffered so much from late frosts an average crop is looked for.

*Peppermint*.—The crop will be short, because shortage of labour prevented extensive planting-out, and dry weather in the spring was against such extension.

*Digitalis*.—A very good crop of second-year leaf. The collection of wild leaf has probably been more extensive than before.

*Rhubarb*.—This is making rapid growth, and there should be a good crop of well-matured roots.

*Potter & Clarke, Ltd.*, writing in regard to their herb-farms at Carshalton, Surrey, say: The wet summer and late frosts have considerably retarded the growth of the crops, so that the total yield will be under the average. The majority of plants, although stunted in growth, are healthy and free from blight.

*Chamomiles*.—Crop almost a failure. Unless the weather improves the flowers will not be worth picking.

*Rue and Comfrey* are heavy crops.

*Yarrow and Tansy* are quite up to normal years.

*Celandine, Feverfew, Southernwood, and Horehound* are fair crops.

*Marshmallow and Balm* will greatly improve with sunshine.

*Peppermint*.—White is fair, but black poor.

*Pennyroyal*.—English plants very backward, and the yield will be negligible. We have, however, used some French seed, which appears to have taken kindly to the British soil. The plants are robust and should yield well.

*Culinary Herbs*.—Tarragon, Mint, and Thyme are good; Lemon Thyme poor; and Sage moderate.

**Newport (Mon.).**—A meeting of the Newport (Mon.) Pharmacists' Association was held on July 6, Mr. A. Gratté (President) in the chair. Mr. A. O. Findlay was appointed Hon. Secretary in place of Mr. T. J. Badgett, who resigned owing to pressure of business. A cordial vote of thanks was passed to Mr. Badgett for his services. A resolution, proposed by Mr. Benson Harries and seconded by Mr. A. G. Williams, was passed that the Newport Pharmacists' Association is strongly in favour of the federation of local Associations and looks forward to the establishment of a strong federation of South Wales Associations. Meetings will be held in future on the last Wednesday of each month. It now appears that the Association is unable, according to the rules, to appoint as Secretary any person other than a qualified chemist. This is unfortunate at a time when, owing to depleted staffs, chemists find it difficult to devote the time necessary to the work.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Glycerin in South Africa.

SIR.—Your leading articles in the *C. & D.* are splendid. I have thoroughly enjoyed reading them, as they are on subjects that concern our profession closely. For instance, the one on glycerin set me thinking, and on making inquiries out here I find that stocks in this country are very low, and it is quite likely—in fact, very probable—that in a few weeks the same restrictions on the sale of glycerin as obtain in England will apply out here—that is, we shall only be able to obtain supplies on condition that it is used solely for prescription-work. There are producers of glycerin (crude) out here, but their output does not come into pharmacy at all.

Yours truly,  
CAPE CHEMIST. (255/61.)

#### Bacterial Fertilisers.

SIR.—There is one factor in the production of fertility that I think is not sufficiently recognised. No matter how much bacterial activity we may add to the soil, if that soil is not in a condition to allow the bacteria to live and multiply much of our effort will be wasted. It is well known to bacteriologists that bacteria cannot live in an acid medium—that, in fact, they produce, themselves, a condition which makes life impossible. It is a law of their being for them to secrete acid with their growth, and in due time the amount of acid is such that the bacteria themselves die. If, therefore, colonies of bacteria are to be kept alive, it is only by constantly transplanting them from the acidified and the contaminated medium to one that is pure and wholesome. Now, in an acid soil, or a "sour" soil as it is termed by farmers and gardeners, plant-life is greatly retarded just on account of the absence of the bacterial organisms which we know to be necessary to plant vitality. Such soil must be sweetened by the application of an alkali, usually in the form of lime, the great function of which is not to break up the clay and burn up the organic matter, but simply to neutralise excess of acid so that the bacteria may have a suitable medium in which to live. Does Professor Bottomley realise this? I am doubtful, for I have never yet seen in any of his papers any stress laid upon the alkalinity of the earth being necessary for plant-growth. Yet every gardener proves it experimentally every year, though he may not know the reason why he does certain things. I have consciously proved it practically over and over again, and with the happiest results.

I am, etc.,  
AMATEUR. (246/24.)

#### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

##### Harrogate Dispensers.

One of the Two (11/54) men who applied for Mesopotamian dispenserships informs us that he and the other who applied hold certificates of absolute exemption.

???

St. Mungo (13/34) informs us that there is a fluttering in certain dovecots over unauthorised persons daring to submit reports to trade journals without first obtaining a permit from the Lord High Executioner and other powers that be. It is understood that a Sub-Committee will shortly be formed to demand a proof copy of the *C. & D.* each week for purposes of correction—and deletion.

Should meetings of Council be private, or not?

Is the question exceedingly crucial?

Shall the stars be permitted to twinkle in print?

Shall we hide our lights under a bushel?

Should the scribblers be gagged as a meddlesome crew?

Or encouraged? My word! ain't they puzzles?

Shall we buy a consignment of new fountain pens?

Or attend all the meetings in muzzles?

Jay Mackskins

(as he writes them).

(1) "It will be impossible to obtain commissions in the Army as dispensers of medicine alone; other technical training is needed," said the chief speaker at a London Volunteer Chemists' dinner last week.

(2) And the Pharmaceutical Society President said that "changes in the syllabus are pending which will make it a truer test of present-day educational requirements." (I have my doubts!)

(3) In plain language this means that the Army Council recognises that modern dispensing of drugs in tablet, capsule, and conc. form does not merit commissioned rank: yet I shall be surprised if the new syllabus does not still further raise our 60 per cent. failures by attempting a stiffer exam.

(4) We have been told that the Manchester B.Sc. syllabus is the proper thing for our trade: *not for our present conditions but for those which we ought to strive to force on the public* (for the public good, of course).

(5) If that's the game, then the charter won't last five years before it is merged in a Department of Public Health, as part of a new Ministry of Commerce and Labour (Lloyd George's next post after the war).

(6) When that time comes a Government Department will give us a series of examinations to suit our trade: with higher examinations for super-science and rank, instead of "forcing a standard upon all which is really only applicable to a few," as the Editor of the *C. & D.* said years ago.

(7) If we are wise, we can make an enormous society: surely the best preparatory ground for super-scientists, while keeping together every section of our varied craft, instead of creating rotten little coteries of miniature pomposities.

(8) I can show you how to do it, to suit the village as well as the city, but I have no time to waste in arguing with last ditchers: I'd sooner wait for the Government Department, though I dislike the idea.

#### Miscellaneous Inquiries.

*L. F. J.* (12/74).—As a rule it is not desirable for inquirers to use initials which are not their own, as in the above case. We do not think the Trade-mark Registrar will accept the word, seeing that another like it is registered. The only way you can make sure is to try. The form will cost you 10s. Many wholesale drug-houses put up preparations ready for retailing, and you will find in their *C. & D.* advertisements sufficient information to act upon.

*Eddie* (5/23).—**STRAW-HAT CLEANER.**—Cream of tartar is the best non-poisonous straw-hat cleaner.

*F. & G.* (259/57).—**SOFTENING HARD TOE-NAIL.**—Alkaline fomentations, such as carbonate of soda or 2-per-cent. liq. cresol, sap., are indicated for this. The application should be made on lint covered with oiled silk, care being taken that the fleshy parts are protected, as they may be too much irritated, and ulceration may even be produced.

*J. M. E.* (5/63).—**TANNIN-STAINED HANDS.**—The stains are best removed by applying potassium-permanganate solution and then scrubbing the stained parts with oxalic-acid solution.

*P. T.* (8/34).—**CHEMICAL FERTILISERS.**—Articles on chemical fertilisers were given in the *C. & D.*, December 11, 1909, p. 915, and in *The Chemist and Druggist Diary*, 1911. These copies could be obtained by advertising in the Coloured Supplement. It is not at all likely that we shall reprint the articles.

*M. P. S.* (2/25).—**PIGMENTATION OF SKIN.**—This may be the result of continued irritation of the skin (such as freckles, the result of strong sunlight, and the brown staining left around the site of a healed chronic ulcer). The continuous taking of arsenic may cause it. A common form is seen in women as the result of uterine disorders or even of pregnancy, and is known as chloasma. In Addison's disease of the suprarenal bodies pigmentation is a marked feature. Addison's is a very serious disease, but in most of the other cases in which discolouration occurs its appearance is not of serious import.

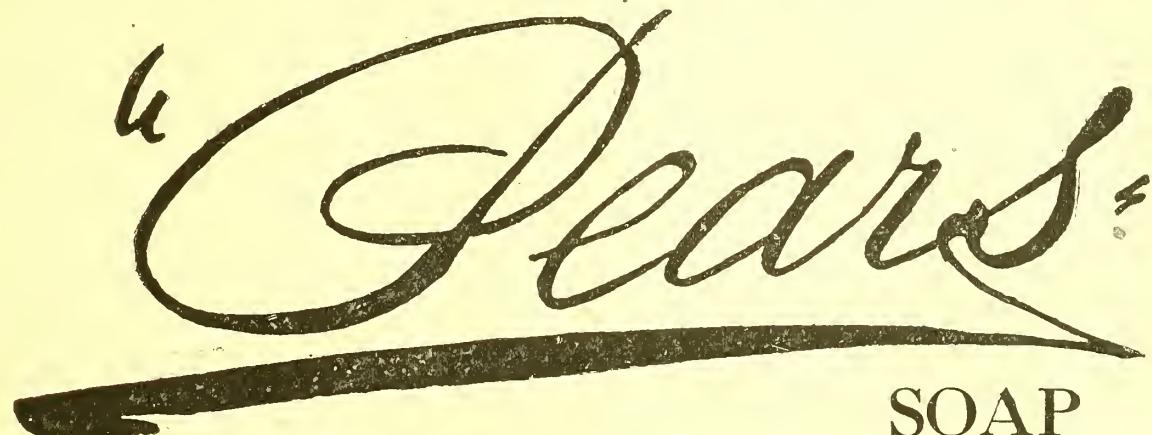
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Reprinted from "The Chemist and Druggist," July 14, 1866.

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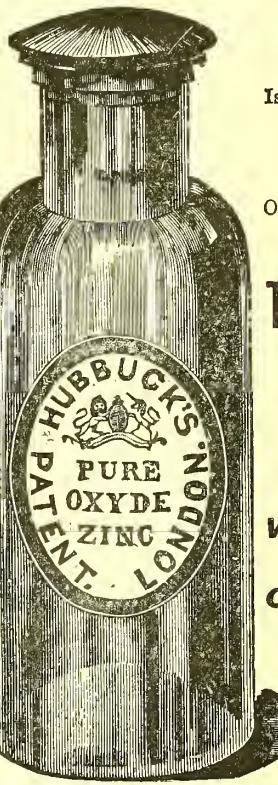
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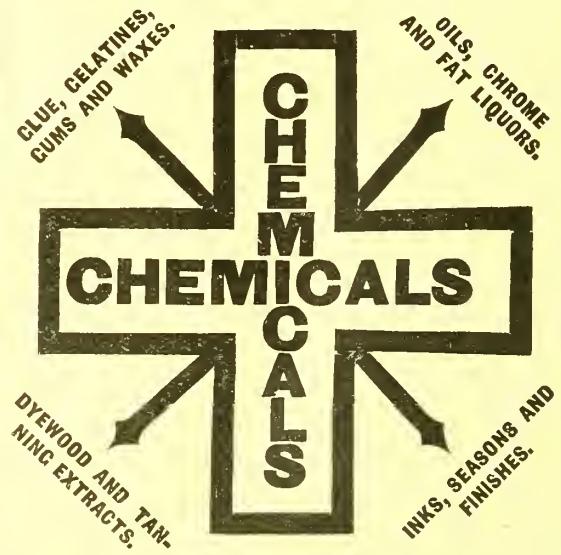
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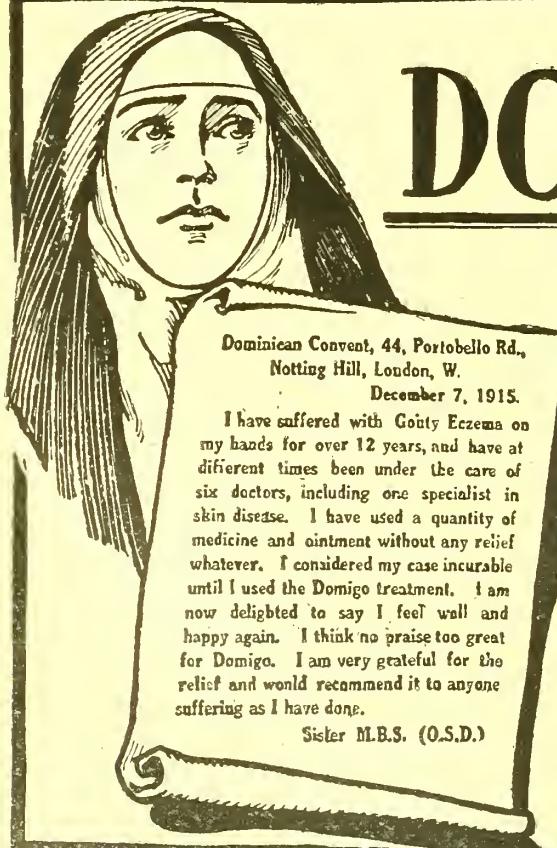
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Benz, B.P., 7 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.

Boric Pulv., 3 cwt. @ 61/9 cwt.; 1 cwt. @ 62/9 cwt.; levigd. 3/- cwt. or 1d. lb. extra.

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Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.

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Salicyl. pulv. 1 lb. @ 16/- lb.

Sulphur, Coml., cases, 4 2-gal. jars @ 36/- each; 20 cases @ 35/- each.

Suph. Aromat. B.P., 1 lb. @ 4/4 lb.

,, Tannic, B.P., 1 lb. @ 5/6 lb.

Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 3/10 lb.; parv., 1d. lb. extra.

Adeps Benz., B.P., 28 lbs. @ 1/0 1/2 lb.; 7 lbs. @ 1/1 1/2 lb.

Erugo Aëris Pulv., 14 lbs. @ 1/5 lb.

Aloes Barb., English-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/1 1/2 lb.

Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.

Aloin, B.P., 1 lb. @ 5/6 lb.

Ammon. Benz., 7 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.

Ammon. Brom. P.B., 1 lb. @ 13/- lb.

Ammon. Carb. lump, 3 cwt. @ 8d. lb.; 28 lbs.

,, 9d. lb.; 7 lbs. @ 9d. lb.; powder, 1d. lb. extra.

Ammon. Chlor., 99% pulv., 1 cwt. @ 59/- cwt.; 7 lbs. @ 7d. lb.; Batteries, 6/- cwt. extra.

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Antim. Tart. pulv. 7 lbs. @ 3/6 lb.

Apioi, 1 lb. @ 29/- lb.

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,, Aurant. Conc. 1-40, 1 lb. @ 6/8 lb.

,, Aurant. Trip., 6 lbs. @ 9d. lb.; 53 lbs. for 23/-.

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,, Rosæ Conc. 1-40, 1 lb. @ 7/6 lb.

,, Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 8d. lb.

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Auri Chlor., 6 doz. 15 gr. tubes @ 22/6 doz.; 1 doz. 15 gr. tubes @ 22/9 doz.

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,, Hydras, P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.

,, Hypophosph. Pur., P.B., 1 lb. @ 3/- lb.

Iodid., 1 lb. @ 25/- lb.

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Castor, 1 lb. @ 25/- lb.

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Cerii Oxalas, 1 lb. @ 5/6 lb.

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Cort. Aurant. Exot. Shreds, 7 lbs. @ 2/4 lb.

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,, Ulmi Fulvæ, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.

Cream of Tartar, 98% powder, 1 cwt. @ 212/- cwt.; 7 lbs. @ 2/- lb.

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Creta c. Camph., 7 lbs. @ 10d. lb.

,, Gall. Pulv., in sacks, 10 cwt. @ 9/- cwt.

1 cwt. @ 11/- cwt.; 14 lbs. @ 1 1/2 d. lb.

Præparata, 7 lbs. in box @ 1/2 each.

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Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/- lb.

,, Sincrocro, 6 lbs. @ 1/3 lb.

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Plumbi, P.B., 7 lbs. @ 11d. lb.

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\*Ext. Opil. Liq., B.P., 5 lbs. @ 5/7 lb.; 1 lb. @ 6/2 lb.

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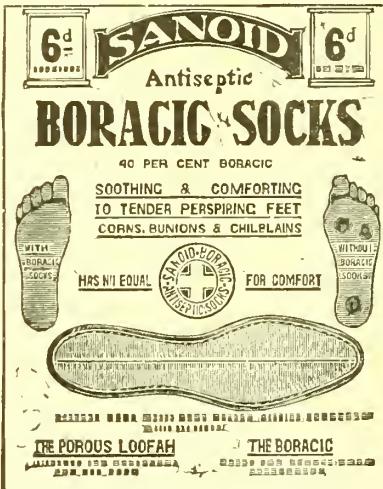
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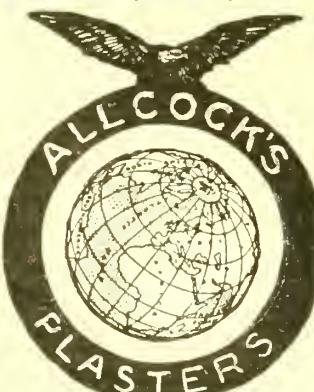
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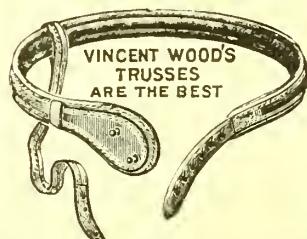
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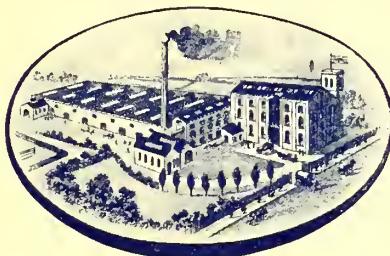
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